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HYA YAKA

January, 1919



PUBLISHED BY THE STUDENTS OF THE
ROYAL COLLEGE OF DENTAL SURGEONS
OF ONTARIO.

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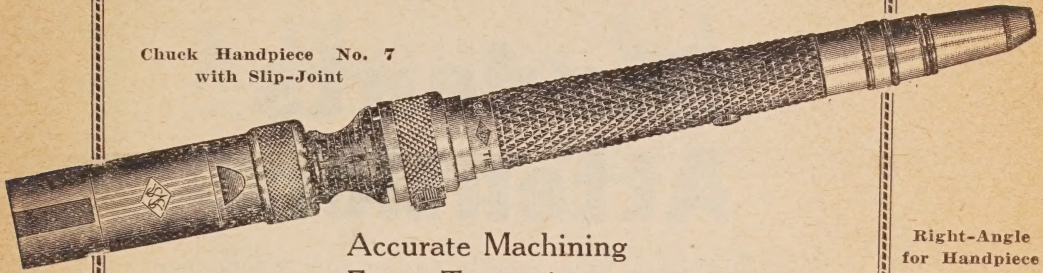
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


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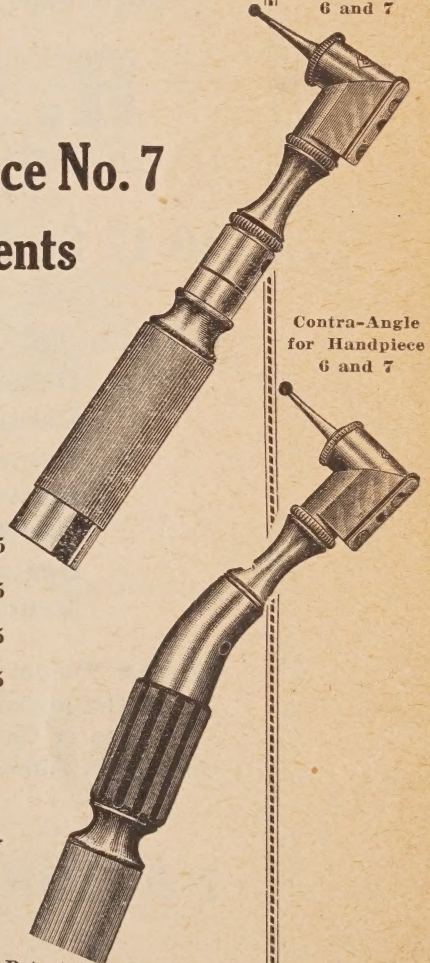
Chuck Handpiece No. 7, with Collar	\$16.65
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Right-Angle "A" for Handpieces	8.15
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HYA YAKA

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IMPRESSIONS IN A DENTIST'S CHAIR.

THE HYA YAKA

Vol. XVIII.

Toronto, January, 1919

No. 1

Constitutional Infection Due to Chronic Dento-Alveolar Abscess and Pyorrhea Alveolaris.

By L. V. DOXTATER, D. D. S.

It is important for the dental practitioner to recognize the constitutional diseases due to local infections in the oral cavity.

It is only recently that we have begun to appreciate how common is the contamination of the blood by living organisms. For some time only the more serious conditions of septicemia and pyemia were recognized as being caused by living bacteria in the blood, whereas this fluid may contain many living bacteria that may be a source of disease, such as streptococci, staphylococci, and various bacilli.

Oral Infection as the Cause of Systematic Disease.

The leading physicians of the country to-day first look to the cavity for infections that may be the causative factors in systemic diseases. Murphy states that every type of non-traumatic inflammation of the joint of the metastatic manifestation of the primary infection in some part of the body.

Dentists are becoming cognizant of the fact that a large percentage of infectious arthritic conditions is due to pyorrhea alveolaris. Pyorrhea accounts for an enormous amount of blood infection; 75 per cent. of these cases can be healed by treatment, and most of the others can be held in check by continued treatment. In some cases, removal of the teeth is necessary to accomplish a cure. Removing teeth that are hopelessly infected prevents the harboring of certain bacteria.

The nasal cavity has its special group of bacterial flora, but the great majority of pyogenic micro-organisms affecting the body must enter through the mouth.

In the mouth the teeth are subject to infective destruction from many causes, but by far the most destructive are root abscesses that are developed from diseased pulps of teeth. Very frequently these abscesses are not suspected until their presence is revealed by the X-Ray.

Practical Cases.

The following are a few cases from my private practice:

Case I.—Mr. B., thirty-seven years. The patient had been suffering from severe pains on the right side of the face and rheumatic pains in the right shoulder; had been treated by three specialists without result. He then consulted Dr. Thomas H. Russell, who referred the case to me.

The radiograph revealed an abscessed upper right canine with perforated root, and a perforated lower right first molar with putrescent root-canals. Both roots were extracted, and the patient has had no trouble since.

Case II.—Miss S., twenty-eight years. The patient had been suffering from periodic pains in the lower jaw, at times excruciating, and had been treated for neuralgia without any benefit whatever. The case was then referred to me. The lower jaw was radiographed and revealed an impacted bicuspid. The tooth was removed and the patient experienced no further trouble.

Case III.—Mr. B., fifty-eight years. The patient presented a very severe case of pyorrhea alveolaris arthritis, with fingers and elbow joints badly swollen. His breath was fetid, the teeth were loose, and discharging pus; The teeth were cleaned, and all pus pockets cleansed by pressure and irrigation with solution of echinacea, followed by saline solution. The gums were then painted with tincture of iodine. These measures were adopted to eliminate as fully as possible all pus exudate; then, by means of a blunt-pointed hypodermic syringe, a few drops of one per cent. solution of emetin hydrochlorid were forced into the pus pockets, and their margins anointed with vaselin to retain the solution in contact with the pocket walls as long as possible. This treatment was repeated every other day

until all pus flow and inflammation subsided, when thorough instrumentation for the removal of deposits from the root surfaces was instituted. At the end of the fifth week, the systemic conditions had entirely disappeared.

Case IV.—Mr. B., sixty-four years. In 1859 the patient cut the anterior chamber of the right eye with the point of a knife. The fluid ran out, producing total blindness in that eye. At first the organ gave the patient no trouble, but in 1878 it had become inflamed, with calcarious formation at the back, and was removed.

The left eye was somewhat affected before the operation, but in a few weeks regained its strength, and gave no further trouble. In 1896 the upper left canine was cut off and a Richmond crown inserted, to which was attached a substitute for the adjoining incisor, which had been extracted some time before.

About 1901 the left eye became subject to aches of a few hours' duration, and began to feel weak, with the pain recurring more frequently and remaining longer, accompanied with an overflow of tears. The patient then consulted an oculist, who found conjunctivitis on the lower lid with a trace on the upper one. As time passed, the symptoms became aggravated. Treatments were continued by the oculist at intervals until 1907. The redness of the lower lid persisted, although every remedy known to the profession had been applied, and it was deemed best to discontinue the treatment.

A few years later the patient consulted another oculist, but obtained no relief. He found nothing except the conjunctivitis, which he was sure could not produce the trouble.

In 1914 the slight pain and overflow were present about one-third of the time, at irregular intervals, and gave the patient great discomfort and considerable anxiety. He again consulted the second oculist, who found the duct open and the ball of the eye normal. In his opinion the conjunctivitis was too slight to cause the trouble complained of.

The patient then consulted me as to the possible effect upon the eye of the crowned canine, which for several years had given evidence of slight irregularity, though not of a character to be called pain. The radiograph revealed a blind abscess at the root of the canine. The end of the root was amputated, but the affection of the bone was too great for recovery, so the tooth was extracted.

This operation was performed in January, 1915. Gradually the troublesome conditions disappeared, and from January until now the patient has had his first enjoyment of life in many years.

Case V.—Mrs. G., forty-one years. The patient, whose mouth was in very bad condition, had been confined to bed because of swelling in her knee-joints. I diagnosed the case as pyorrhea alveolaris arthritis. Several teeth were extracted, and the gums and remaining teeth were treated. At the end of ten days the patient was very much improved, and at the end of the third week all the inflammation left the joints, and the patient seemed to be in the best of health.

Case VI.—Mrs. M., thirty-six years. When the patient came under my observation, she presented a very severe case of pyorrhea alveolaris arthritis. Her fingers, knees, and elbow-joints were involved. Raising the forearm above the head caused severe pain. An examination of the oral cavity showed several ill-fitting bridges. The bridges and crowns were removed, and most of the teeth responded to treatment, but it was necessary to extract two lower molars. The pyorrhea was arrested, the teeth tightened firmly, and new bridge work inserted, and the the systemic conditions cleared up.

Dr. C. H. Mayo, in a recent article, made the following statement: "It falls upon the dentist and oral surgeon to study the disease conditions of the mouth. Dental literature is full of it, and much original work has been done by such leaders as Black, Talbot, Nodine, Hartzell, Brophy, and numerous others. The work is discouraging, but must be kept up, as eventually it will have its effect. The dentist's patients must be warned of the mouth as being by for the greatest portal of entrance of germ life into the body, the most infected part of the alimentary canal. The people will gradually demand more of their medical advisers. The next great step in medical progress in the line of preventive medicine should be made by the dentist."

The Height of Laziness.—For a Senior to sit in his fiance's front parlor and smoke her dad's cigars, reading the Saturday Evening Post, while she industriously copies his notes.

Prevention---The Technique of the Future

By DR. C. H. GERRISH.

Some fifty years ago a patient of Dr. Riggs' came to me for treatment of pyorrhea, asking me to treat her mouth and teeth on the same lines as pursued by Dr. Riggs. It was a revelation to me what a **clean** root, a polished root, meant! This inspired me to extend the cleansing process to the crowns of the teeth, reasoning that if pyorrhea was checked or cured thereby, why might not also caries of the teeth be stopped or prevented in that manner? Hence, upon the theory that a polished tooth might be immune from decay, I began what has proved to be my life-work—meeting with much opposition and the superstition that touching the enamel of the teeth meant decay and destruction. No precedent had I to go by, as the polishing of teeth was then an unknown field of dental art.

Having started with the use of the orangewood stick and pumice-stone, Arkansas pencil, linen tape, quill picks, thin linen tape, and waxed floss silk, all by hand, I am using at the present time the Arkansas stones, rubber discs, brush-wheels, etc., in the dental engine; and the results have been marvellous. My theory was sound and correct, as the vital facts now show; in some of my oldest patients I have not been obliged to make a single filling in an average of twenty years; others have been immune for over twenty-five years.

Clinical Results of Immunity to Caries.

My position regarding the matter is simply this: Either this technique is valuable or a delusion, or I am an imposter. There is no middle ground for me to fall back upon—and I desire none. My credentials are my patients, and open to your inspection. To quote from a letter of Dr. Rogers and Dr. Libby of Boston, who examined the teeth of one of my patients: "We should judge by the splendid condition of her teeth, especially at the gingival line, and the general condition of her gums, that she is safe for another twenty-five years." This patient has not a single filling anterior to the molars upper or lower. Were this an isolated case, one could ascribe it to heredity, but what about another patient who has had every tooth filled, yet has been immune from recurrent caries for

twenty years? These results have been obtained in patients who have been in my care from childhood, and who have followed my directions to the letter. Can these results be obtained in all cases? No; degenerates and those deficient in their heritage are exceptions, but in every one of even these cases the treatment will produce a delay in the decay, and prolong the life and use of the teeth.

The Writer's Technique.

What is the technique? It begins with the mother, then with the child's temporary teeth, and as soon as the permanent teeth erupt and polishing is continued with stones none of which are of coarser grit than the Arkansas stones, and refined silic. The time required for treatment ranges from an hour or two in children to four or five hours in the grown-up. As for frequency, the treatment is given from one to four times a year.

As the result of this polishing, we secure a smooth enamel surface; the lines of imbrication are worn down in time, from five to ten years being required to secure this result. Too deep cutting or polishing is fatal, as is the use of coarse stones. The final finish is obtained with a mixture of prepared chalk and oxid of tin in the proportion of three to one, which leaves the enamel surface as smooth as a diamond.

The Patient's Part.

The patient's part consists, in the morning, in brushing the teeth, giving them a so-called "dry-brush"—that is, the brush is just moistened, covered with powder, and used with a rotating movement, until the gelatinous plaques are removed. Paste will not do this, or, to be less emphatic, not for my patients, because they have tried it. At night a dental cream can be used to great advantage, the last step consisting in the use of waxed floss.

Effect of Treatment.

What change, if any, takes place in the enamel structure under this intensive polishing, continued for fifty years, I do not know; I can only voice my conviction—and, not being a scientific man, my views may be guess work. Apparently, the effect is stimulating, and I think the enamel undergoes a change, though the authorities are against me. However that may be, I get the same results that

seem evident in erosion, namely, immunity from decay without the waste of tooth material.

Gutta-Percha Fillings.

The filling that saves a tooth from further decay must be a perfect stopping. All stoppings are fillings, but all fillings are not stoppings. Gutta-percha is the ideal stopping, especially red base-plate gutta-percha, because it contains a germicide and it adapts itself to the cavity; besides, it is forever swelling. It swells, and it also smells, and when properly used is quite permanent in its results. I recently refilled a tooth which had been kept perfect for twenty-three years by a gutta-percha stopping except for the wearing away of the filling. Non-cohesive gold, among the many forms of gold, possesses the same characteristics, and I am to-day watching fillings which were inserted over fifty years ago, and which preserve the teeth and look as well, save for a little wear, as when they were introduced.

Accessories.

Among the aids that I have found to be of benefit are the Indexo brush, which is a rubber cap with raised papillae used on the forefinger to produce general massage of the teeth and gums. Should there be an inflamed condition, a saline solution, as suggested by Dr. Libby, is very efficacious in bringing about a normal state. I also recommend the daily use of Johnson's "Educators," a hard-baked whole-wheat cracker which not only furnishes the materials of tooth structure, but tends to the formation of a perfect arch, as it requires much force to masticate. In cases of extreme sensitiveness of the tooth structure at the gingival margins, I have found Phillips' milk of magnesia a specific; it has also proved very efficacious in the prevention of decay.

Incipient Caries and Pyorrhea Prevention.

Incipient caries, especially at the gingival margins, I treat on similar lines, viz, with the use of Arkansas stones by the method above described, leaving the formerly carious portion thoroughly polished, and establishing immunity for one year. If this method is followed up, with the co-operation of the patient, this immunity can be prolonged to ten and twenty years. Other results follow this mechanical smoothness of the tooth structure. Pyorrhea is

unknown; I have never had a case among patients who have been subjected to this ideal treatment.

A Plea for Prevention.

As a profession we have accomplished wonderful results in the treatment of diseases and in artistic fillings, and crown and bridge work. Yes!—fillings that do not stop decay, crowns that do not fit, bridges that smell to heaven! With the coming of the Forsyth Infirmary and the Evans Institute, two of the grandest blessings to mankind, let the lessons of prevention take rank with, or rather precede, all other teachings. May the profession, which is doing such grand preparatory work for the student and sending him out to battle with disease and decay, take this word from one who has devoted his life to prevention, and who is obliged, but who is also glad, to stand at the chair after fifty years of service. May they teach the students that the best filling is no filling. To save from is far better than to save by. For the time is coming, and coming rapidly, when prevention, the grandest word in the English language, will and must prevail in dentistry, medicine, law, religion, and national life. The temple is nearly completed, but one stone is lacking to restore the arch, the keystone, the stone rejected of you builders, on the face of which will be written "Prevention."

In conclusion let me quote from Dr. Bloodgood of Baltimore—who in his closing remarks before the National Dental Association, said: "The great majority of dentists prefer to do the more expert mechanical work, bridge work and other things that require great skill. **They don't like to clean the teeth.** The day is coming when more people's lives will be saved by keeping the people's teeth clean than by doing bridge work! Again, how many cases of Bright's disease, that shortens the lives of many great men and women, have their portal of entrance through the teeth? So this thing you dislike to do, cleaning the teeth, may be the most important and expert thing you can do. I believe it is an expert thing."

If I can induce any of the younger practitioners to take up this work of prevention, it will gladden my heart. I trust you will pardon me if, in conclusion, I read you my creed: "If cleanliness is next to godliness, or goodness, then begin and end the day with a prayer, followed by a thorough cleansing of the mouth and teeth, thus rendering yourself from deceit and decay, the devil and disease;—for a clean soul and a clean mouth are much to be desired."

**The American Red Cross Standard Supply List
Dental Furniture, Instruments, Appliances
and Supplies.**

Dental Engine and Engine Equipment.

Item.	Quantity.
8 Engine, Dental, all-cord, slip joint attachment for No.7 h.p.	1
9 Engine, Dental, hand-piece No. 7 for slip joint No. 2....	1
10 Engine, Dental, hand-piece, contra angle M for clip joint No. 2	1

Engine Equipment for Hand-Piece No. 7 (Expendable)

11 Burs, Dentate, Nos. 557, 558, 560, 568, 569	each 12
12 Burs, Fissure, Nos. 700, 701, 702, 703	each 6
13 Burs, Inverted Cone, Nos. 33½, 34, 35, 37, 39, 41	each 12
14 Burs, Plug Finishing, Nos. 200, 202, 221	each 2
15 Burs, Round, Nos. ½, 1, 2, 4, 6, 8, 9	each 12
16 Discs, Bristle, Nos. 9, 11, and cup shape	each 18
17 Drills, Nos. 100, 103	each 6
18 Engine, Dental, Part No. 2	1
19 Engine, Dental, Part No. 29	12
20 Mandrels, No. 301	3
21 Mandrels, No. 303	12
22 Mandrels, Morgan Maxfield	3
23 Points, Carborundum, med. grit, mounted, Nos. 183, 186, 187, 189, 211, 219, 226, 227, 234, 241	each 2
24 Remover, Post, Weaver	1
25 Root Facers, Nos. 7, 8, 9	each 2
26 Root Reamers, Peeso, Nos. 2, 3	each 2

Engine Equipment for Right Angle No. 2 (Expendable).

27 Burs, Dentate, Nos. 557, 558, 559, 560	each 12
28 Burs, Fissure, Nos. 700, 701, 702, 703	each 6
29 Burs, Inverted Cone, Nos. 33½, 34, 36, 37, 39, 41	each 12
30 Burs, Plug Finishing, Nos. 200, 202, 221	each 2
31 Burs, Round, Nos. ½, 1, 2, 4, 6, 8, 9	each 12

Item.	Quantity.
32 Drills, Nos. 100, 103	each 6
33 Mandrels, No. 301	2
34 Mandrels, No. 303	6
35 Mandrels, Morgan Maxfield	2
36 Points, Carborundum, med. grit, mounted, Nos. 183, 186, 187, 189, 211, 226, 234, 241	each 2

Engine Supplies (Expendable).

37 Cords, Engine, for all-cord engine	6
38 Cups, Polishing, soft rubber, small and medium	each 12
39 Discs, assorted box, 525	2
40 Discs, Cuttlefish paper, boxes of 100, sizes $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", fine	each 2
41 Discs, Emery paper, boxes of 100, sizes $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ "; Grit $\frac{1}{2}$ and 0	each 2
42 Discs, Garnet Paper, boxes of 100, sizes $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ "; Grit $\frac{1}{2}$ and 0	each 2
43 Discs, Sand Paper, boxes of 100, $\frac{5}{8}$ ". $\frac{3}{4}$ ", $\frac{7}{8}$ "; Grit $\frac{1}{2}$ and 0	each 2
44 Discs, Vulcarbo, separating, sizes $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ "	each 12
45 Wheels, Carborundum, Nos. 100, 101, 104, 105, 106, 108, 109, 110	each 4
46 Wheels, Carborundum, knife edge, $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ "	each 6

Instruments, Operative and Accessories.

47 Alloy Balance	1
48 Amalgam Instruments, Crandall condensers, Nos. 1, 3, 4, 5, 6, 9, 10, 11, 12, 14	each 1
49 Amalgam Instruments, Frahm's carvers 90°, Nos. 1, 2, 3	each 1
50 Amalgam Instruments, Woodson plastic, Nos. 1, 2, 3	each 1
51 Blower, chip and hot air syringe	1
52 Bottles, office preparation, No. 6	6
53 Bridge Repair Set	1
54 Burnishers, L.H., Nos. 29, 32, 34S, 36	each 1
55 Case, office preparation, oak, 18- $\frac{1}{2}$ oz. glass stoppered bottles	bottles 1
56 Case, office preparation, extra $\frac{1}{2}$ oz. glass stoppered bottles	bottles 6

Item.	Quantity.
57 Chisels, L.H., Nos. 3, 48	each 2
58 Clamp, cotton ball, Ivory	each 1
59 Clamps, rubber dam, Ivory's, Nos. 19, 20, 21, 22A, 56, Bi-Nap	each 1
60 Dish, dissolving, Novocain, small	1
61 Excavators, Black's cutting instruments, Nos. 1, 4, 8, 10, 17, 19, 21, 23, 29, 34, 37, 39, 49, 50, 53, 54, 61, 62, 63, 64, 65, 66, 73, 74, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88,	each 2
62 Explorers, L.H., Nos. 5, 6, 11, 12, 18	each 2
63 Finishing Instruments, files, primes, Nos. 1, 2, 3, 4	each 1
64 Finishing Instruments, knives, Eddy, Nos. 1, 2,	each 1
65 Finishing Instruments, knives, primes, Nos. 14, 15	each 1
66 Forceps, crown slitting	1
67 Forceps, rubber dam clamp, Brewers' type	1
68 Forceps, rubber dam punch, perfected	1
69 Gutta-Percha and Cement Instruments, Hunt's L.H., Nos. 1, 2, 3, 4	each 1
70 Holder for Cotton, Methot's type	1
71 Holder for Mercury, ebony, No. 2	1
72 Holder, Nerve broach, simplex, metal	4
73 Holder, rubber dam, wizard	1
74 Hone, oil, Arkansas stone, in wooden case	1
75 Lamp, alcohol, metal, nickle plated	1
76 Mallet, Prime type	1
77 Matrix Retainer, ivory, No. 1	
78 Mirrors, mouth, aluminum, No. 4	2
79 Mirrors, mouth, aluminum, No. 4	2
size 4	3
80 Mortar and Pestle, Wedgewood, Crandall type	1
81 Pliers, dressing, No. 12	2
82 Pliers, dressing, No. 17	2
83 Pliers, office, smooth beak, No. 122	1
84 Pluggers, root canal, Donaldson's, Nos. 2, 4, 6	each 1
85 Porte Polisher, ivory, contra angle	1
86 Pots, medicine, glass Dappens, green and white	each 1
87 Probe, silver, in case	1
88 Remover, crown, Dalton	1
89 Saws, dental, Gordon White, complete	1
90 Saws, dental, Gordon White, extra blades for	6

Item.	Quantity.
91 Saws, dental ribbon, $\frac{3}{8}$ ", thin	3
92 Scalers, L.H., Nos. 3, 6, 33, 34, 54, 59, 62	each 2
93 Scalers, Pyorrhea, dentinol, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	each 2
94 Scalers, pyorrhea, dentinol files, Nos. 13, 14, 15, 16, 17, 18, 19, 20	each 2
95 Separator, adjustable, Ivory's	1
96 Shears, No. 32	1
97 Slab, glass mixing, No. 6	1
98 Spatulas, Nos. 22, 24	each 1
99 Stove, primus	1
100 Syringe, water, self-filling, all metal	1

Operative Supplies (Expendable)

101 Alloy, copper, 1 oz. in box	boxes 2
102 Alloy, to comply with Black's physical standards, 1 oz. in bottles	bottles 12
103 Bands, matrix, for ivory matrix retainer, No. 1, assorted bicuspid and molar	packages 1
104 Blower, chip, extra bulbs for	2
105 Bridge Repair Set, extra nuts for	6
106 Broach, Kerr reamers, ex-fine, fine, 6 in package, of each	packages 3
107 Cement, copper, oxyphosphate black	boxes 2
108 Cement, oxyphosphate, colors, yellow, white, light grey, pearl grey, dark brown, of each	boxes 2
109 Cement, temporary, calxine, pink and white, of each, boxes	3
110 Chalk, prepared, in screw top can	1
111 Chamois Skins, large size	2
112 Cleansers, root canal, fine and X fine in packages of	each 6
113 Cotton, absorbent, rolls, 6" long, $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " in diameter, 100 in box, of each	boxes 2
114 Cots, finger, rubber	boxes 2
115 Covers, paper, aseptic, 12x12, for bracket table, 100 in box	boxes 2
116 Crowns, tooth, detachable and pins, assortment of 100 in case	case 1
117 Floss, silk, waxed, 24 yards in spool	spools 24
118 Gutta-Percha Stopping, permanent, $\frac{1}{2}$ oz. in box	boxes 1

Item.		Quantity.
119	Gutta-Percha Stopping, temporary, pink, 1 oz box.	boxes 2
120	Lamp, alcohol, extra wicks for	6
121	Matrix Material, copper, 36 gauge, 5 sheets 6x3", in packages	package 1
122	Mercury, re-distilled, 1 lb. jug	jugs 1
123	Modeling Composition, perfection, Detroit, 1/2 lb. in box	boxes 2
124	Napkins, dental, aseptic, 500 6x6" in box	boxes 2
125	Paper, articulating, thin, in books	2
126	Paper Points, absorbent	boxes 6
127	Points, root canal, gutta-percha, aseptic, pink, medium, fine, long fine, of each	boxes 2
128	Points, wood, for ivory porte polisher, assorted in boxes	1
129	Pumice, prophylactic, in screw top can	1
130	Rubber Dam, plain, medium, 18 ft. x 6 in. in sealed tins	2
131	Strips, celluloid, thin, in boxes of 100	1
132	Strips, polishing, assorted grits, in boxes	3
133	Wire, orthodontia ligature, gauge 28-30, on spools, of each	spools 2

Exodontia and Oral Surgery.

Instruments—

134	Burs, allport, A, B, C, for 7 h.p.	each 2
135	Burs, Schamberg, Nos. 1, 2, for 7 h.p., of each	2
136	Curettes, standard, Nos. 2, 4, 6, 15, 16, 22, 23, 26, 27, 30, 31	each 1
137	Elevators, Cryer, Nos. 1, 2	each 1
138	Elevators, LeCluse	1
139	Elevators, winter, Nos. 1, 2	each 1
140	Forceps, extracting, Nos. 10, 15, 18R, 18L, 65, 150, 151, 222	each 1
141	Forceps, Rongeur, Nos. 1, 2	each 1
142	Forceps, 'Septum, No. 1	1
143	Gag, Allen, mouth	1
144	Lancets, abscess, No. 5	1
145	Lancets, abscess, Volland	1
146	Pliers, Allen, root, No. 61	1
147	Probe, winter	1
148	Prop, mouth, Denhart	1

Item.		Quantity.
149	Packers, gauze, standard, Nos. 1, 2	each 1
150	Retractor, standard	1
151	Screw Porte, Morrison's improved, Nos. 1, 2, 3	each 1
152	Scissors, gum, curved or flat, No. 22	1
153	Syringe, hypodermic, all metal, No. 172A	1
154	Syringe, record type, for conductive anesthesia	1
155	Syringe, record type, extra needles for conductive anesthesia, platinum, 1" and 1½"	each 1
156	Wedge, wooden	1
Supplies for Exodontia and Oral Surgery (Expendable)		
157	Syringe, hypodermic, extra needles for, gauge 24, Imperial grade, straight or curved	each 12
158	Wire, silver, 20 gauge, 5 ft. length	each 1

Medicines and Preparations (Expendable).

159	Case of Dental Medicines (Lilly) as follows:	
	Devitalizing Fibre.	
	Formo-Cresol.	
	Eucalyptol Compound.	
	Eucapercha Compound.	
	Phenol Compound.	
	Refrigerant Counter-Irritant.	
	Euroform Paste.	
	Desensitizing Paste.	
	Thymolized Calcium Phosphate.	
	Acid Phenol, sulphonic.	
	Pyorrhea Astringent.	
	Cocaine Points	
	Dental Liniment.	
	Local Anesthetic Solution.	
	Dental Paste.	
	One bottle of each in case	cases 1
160	Novocain E	tubes 10
161	Sandarac Gum, 1 oz. in carton	1

Laboratory Equipment and Supplies.

162	Articulator, plain line	2
163	Articulator, crown and bridge, new model	2
164	Dentimeter, exact, No. 2	1

Item.	Quantity.
165 Donham Spring Clamp, 3 case	1
166 File, gold, flat, 4½"	1
167 File, gold, half-round, 4½"	1
168 File, gold, round, 4½"	1
169 File, vulcanite, D.E., half-round, 8"	1
170 Finishers, vulcanite, Wilson type, Nos. 1, 2, 3, 4 each	2
171 Flasks, vulcanite, brass, Wilson	3
172 Handles for Files	3
173 Knives, plaster, Wilson type	1
174 Lamp, alcohol, large, Purdy's	1
175 Lathe, head and stand complete, Niagara	1
176 Moulding Outfit	1
177 Nippers, wire side cutting, No. 3	1
178 Pliers, contouring, No. 115	1
179 Pliers, contouring, No. 118	1
180 Press, Flask, Wilson's, with volute spring	1
181 Sandpaper, Nos. 00 to 1, of each	12 sheets
182 Saw Frame, mechanical	1
183 Shears, Nos. 8, 10, 11	1 each
184 Soldering and Heating Outfit, gasoline generator, No. 45, complete with bellows	1
185 Spatula, plaster, 4"	1
186 Spatula, wax, No. 7	1
187 Thermometer, vulcanizer	1
188 Tongs, soldering, 7"	1
189 Trays, lower impression, Nos. 1, 2, 3, 8, 15, 17, 22 .. each	1
190 Trays, upper impression, Nos. 1, 3, 5, 12, 14, 18 .. each	1
191 Tubing, rubber, ¼", heavy wall, white	16 feet
192 Tweezers, Nos. B, F, L	1 each
193 Varnish, separating	1 bottle
194 Vise, bench, jewelers', 2"	1
195 Vulcanizer, Camlock type, 3 case kerosene burner	1
196 Whetstone, carborundum, 5"	1

Supplies.

197 Borax, stick	1
198 Bowl, plaster, medium size	1
199 Brush, laboratory, plain, stiff bristle, 7/8"	1
200 Cones, felt, Nos. 2, 3, 6	1

Item.	Quantity.
201 Discs, safety	1
202 Foil, tin, in rolls	1
203 Investment Compound, 2 lbs. in tin	1
204 Metal, airchamber, thick	1 pound
205 Metal, Mellottes	6 ingot
206 Packings, for vulcanizer	2
207 Plaster for Models, 4 lbs. in tin	2 tins
208 Pumice Powder, 1 lb., screw top cans	1
209 Rubber, pink	1/2 pound
210 Rubber, red	2 pounds
211 Saws, mechanical	24
212 Shellac, gum	2 ounces
213 Silex, liquid, bottles	2
214 Solder, silver, 5dw. piece	1
215 Teeth, vulcanite, trubyte, assortment No. 1	1
216 Wax, impression, 1/2 lb. box	1 box
217 Wax, pink, 1/2 lb. box	1 box
218 Wheels, brush, Nos. 3, 5, 16, 24, 26, 29, 65	1 each
219 Wheels, carborundum, lathe, square edge, No. 16, grit A, C	1 each
220 Wheels, felt, square edge, No. 1, knife edge, No. 2	1 each
221 Wire, binding, iron, 32 gauge	1 spools
222 Wire, brass, 26 gauge	1 spools

1 chair; 1 X-Ray machine; 1 cabinet; 1 fountain cuspidor; 1 Peerless bracket and table; 1 switchboard; 1 electric engine; 1 Peerless operating stand.

A list of instruments such as given above was asked for in a past issue and has been furnished us by the Cleveland Dental Mfg. Co.

—Editor.

THE POST GRADUATE COURSE.

On Monday, December 16th, 97, dentists from all parts of Canada and United States, gathered at the Royal College of Dental Surgeons, to attend the Post Graduate Course extending over one week.

The course covered war Prosthesis, anaesthesia, physical diagnosis, fractures, splints, and oral surgery.

The Faculty consisted of:

Lieut.-Col. Guy G. Hume, Officer in charge Dental Service at Ontario Military Hospital, Orpington, England.

Vice-President Congres Dentaire Interallies.

Professor of Orthodontia, Royal College of Dental Surgeons.

and

Major W. E. Cummer—In charge of Special War Prosthesis and Facial Restoration, Canadian Army Dental Corps, Military District No. 2.

Professor Prosthetic Dentistry, Royal College of Dental Surgeons.

War Prosthesis, Fractures, Splints.

Arthur E. Smith, D.D.S., M.D., Chicago. Special Instructor in Oral Surgery and Anesthesia, Loyala University Dental Department, New Orleans, and University of Tennessee, Memphis.

Chairman Section Oral Surgery and Anesthesia, National Dental Association.

General and Local Anesthesia, Including Conduction Anesthesia.

Leroy S. Miner, M.D., D.M.D., Boston, Assistant Professor Oral Surgery, Harvard University; Oral Surgeon Massachusetts General Hospital; Massachusetts Homeopathic Hospital, and Forsyth Infirmary for Children, Boston.

Oral Surgery and Physical Diagnosis.

Among the guests were Lieut.-Col. Thompson, A.D.D.S., M.D., No. 2; Lieut.-Col. Bradley, A.D.D.S., Montreal; Major Walt, A.D.D.S., Kingston; Major J. M. Magee, A.D.D.S., No. 7, St. John; Major Levey, A.D.D.S., No. 11, Victoria; Dr. J. W. Beach, Buffalo, N.Y.; Dr. C. R. Barker, New York; Dr. A. M. Forster, Nashville, Tennessee; Dr. Neal, Nashville, Tennessee; Dr. R. H. Strong, Dr. W. A. Hilles, Bridgeport, Conn.; Dr. A. W. Thornton, McGill University.

THE SOPHETTE THEATRE PARTY.

Wednesday morning dawned gloomy and wet. Little did the six freshettes, to say nothing of the Sophettes, think of ivory teeth and mesio distal surfaces as they did up their golden locks and hurried out to be in time to learn about the peri dental membrane which knowledge is dispensed at such an unearthly hour as 8 a.m. Their minds were fully occupied with the affairs of the coming evening, the theatre party given by the Sophomore Year to the unfortunates who, owing to sex, were unable to attend the already historical Soph-Fresh banquet at the Carls Ritz.

Now mine Frosh, strong and true, seeing it was to be "a la Dutch" volunteered, or aye, better than that, grasped the chance to accompany the ladies, and turned out to a man to keep her word. One in fact left school at noon to have plenty of time to get fussed up and get out to the Beach for his fair partner.

At 8.15 the party was comfortably seated in the Princess. Even the weather man had taken sympathy and had called the rain off. And the party, under the careful supervision of their chaperons, Mr. and Mrs. Wendell Holmes sat patiently and waited for the curtain to rise on "Going Up."

During the performance, we are told, the children acted admirably well, and not even once "talked out loud."

After, they wended their way to Paterson's where a most enjoyable theatre supper was served, and the ever witty frosh requested the "canned music" to be brought into action, and, lo there was a dance.

This lasted till about one a.m. when the freshies "got the wind-up" about keeping their "Frous" out so late, so ordered their taxis (from Bob Fleming) and dispersed to their various homes, after having been duly instructed by their ever watchful chaperons.

By all accounts next morning both Frosh and Froshettes seem to have had a real enjoyable evening (the Beach volunteer excepted). He hasn't returned up to time of writing. He was last seen waiting for a Danforth car.

I sat in the dentist's arm chair,
He asked how it felt to be there.

"I feel bored," I explained,

"I may even say pained,

For your extracting is distracting, I swear."

THE HYA YAKA

A JOURNAL PUBLISHED MONTHLY BY THE STUDENTS OF THE ROYAL
COLLEGE OF DENTAL SURGEONS OF ONTARIO.

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Local Freshman BRILL, '22.

{ L. MILLER, '20.

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Vol. XVIII.

Toronto, January, 1919

No. 1

Editorials

(We are greatly indebted to a member of the Senior Year, '19,
for the following essay on "Concentration.")

THE PHILOSOPHY OF CONCENTRATION.

"Success" in the practice of any profession may be said to be in direct proportion to our ability to concentrate our minds on that profession. Therefore, it matters not whether our aim in life be the successful practice of a profession or the building up of a successful business. It is of vital importance that we choose early in life a vocation, and learn the secret of concentrating the mind on that. Since the majority of the readers of this paper have chosen Dentistry as their profession, let us consider concentration as applied to the Science of Dentistry.

Surely, since man is the masterpiece of the Creator, the profession which deals with the care and treatment of man must be the highest of the professions. Therefore, we may all be justly proud of our calling, and consider it our duty, not only to elevate it in the opinion of the laity, but to help advance the science as a whole. However, all real advancement comes from individual effort and if that effort is to become a potent factor we must realize that it is necessary to 'Concentrate on Dentistry' or in other words to 'Special-

ize our line of thought.' There is at all times a constant conflict of ideas in the mind, therefore an immense waste of mental energy and no definite results follow. If we are to attain results in any one purpose, and think thoughts to a conclusion.

What we learn in this way will never be entirely forgotten. Why is it that certain incidents in our lives stand out above all others? Because they received our undivided attention. On the other hand the student who tries to study Anatomy and at the same time is thinking about the last dance he attended will never know his fifth nerve. This condition exemplifies a habit all too common which may easily be overcome by a few simple exercises of will power.

If the reader will take notice, he will be surprised to find how the faculty of the College play on the concentrative powers of the class. For example, one professor may be considered by the student as being a good lecturer, while another may be hard to follow. Invariably the student will become more proficient in the subjects taught by the former than those taught by the latter. Let us ask ourselves the rationale of this. True some subjects are more difficult to teach than others, but the chief reason is that one professor grips the attention of his class, while the other not only wanders in his subject, but allows the minds of the class to wander. The successful teacher either repeats the important clauses of his discourse or narrates short personal experiences which are always more interesting to the student than abstract facts, and which help to keep the mind on the subject.

It is not the writer's intention to convey to the reader the idea that he should focus our thoughts entirely and continually on one line of thought. It is rather to impress him with the importance of one subject at a time, and that only, however insignificant it maybe. We only have to turn to the subject of insanity to learn that if a person thinks intensely on one subject and has no other interests in life, he will become mentally deranged or fanatical. We see examples of this in nervous breakdowns even in the profession of Dentistry. Another example is the nervous condition experienced after intense prolonged study for examinations, especially when the student is not accustomed to it during the term. William James (Professor of Philosophy and Psychology at Harvard University) has said that every man should be equally interested in a hobby as well as in his own profession. This hobby may be entirely different

from his daily work, yet be of greatest assistance to him. One quality a dentist must possess is the ability to converse intelligently with his patients on subjects other than dentistry. The important point, however, is to be able to attend your practice and forget your recreation, then enjoy your recreation and forget your practice entirely, not allowing one, however, to develop at the expense of the other.

Probably the greatest example of a versatile man was late Dr. Green Vardiman Black. We all think of him as being a great dentist. Truly the practice of dentistry was his greatest joy, and he has probably given more to the profession than any other man, but he was also a student in many fields apart from Dentistry. He was an expert machinist and tool maker, as is shown by his instruments and equipment which he designed and made in his own workshop. He was a musician of singular ability, a true naturalist, a student of Psychology, a successful chemist and an artist of note. A scrutiny of titles of essays give an idea of the broadness of his studies. He wrote articles on "The Solitary Wasp," "Seventeen Year Locusts," "The Earth Worm," "Scarlet Fever," "Use of Books," "Mechanical Arts," "Morality," "Tornadoes," "Theory of Sight," "The Microscope and Its Uses," "Our Police System," "How to Rest," "Articles on Travels," "Indian Stories," etc. His success was due to his being able to control his thoughts that one subject did not interfere with his study of any other, but at the same time experiences along one interest assisted in the developing of another.

One thing that the world demands above all else, to-day is the ability of a man to do what he does accurately. This ability is only attained by concentrating the mind on the subject and knowing it from every angle. We often hear the statement that 'Specializing is more profitable than general practice.' This is true in so far as a Dentist who specializes must not only profess to be especially skillful in his particular work but must be an authority on every phase of his subject. Otherwise he will find general practice more profitable. If a person desires to devote his time as a specialist he must not only have a good knowledge of general dentistry, but he must know his anatomy, histology, chemistry, physiology, etc., and know them perfectly. These subjects cannot be successfully studied unless the student first learns the essentials of thought control and has attained the ability to concentrate his mind on one subject for a time to the exclusion of all others. When you learn thus to concentrate your

thoughts you can control your mental creations, they in turn help to mould your physical environment and you become the master of circumstances and the ruler of your kingdom.

Coming to the more practical side of our subject, we will discuss how this ability may be developed. Firstly, we must exercise our power of self control. If we set out to accomplish a purpose let nothing interfere with our plans. If we attend a lecture leave all else out of our minds but the subject being discussed. Charlie Chaplin has no more right to a place in our minds during lectures than our profession has to worry us during a "movie" show. The proper place for dentistry is the dental office, not the rugby field. Set aside a definite time each day for work and time for recreation, and do not let one interfere with the other. If for example, a habit be formed of spending a half hour each day at diligently reviewing the lectures of the day, it will not only be a great help at the end of the term, but will be an excellent exercise in the development of will power and concentration. Practise the forming of definite daily habits, and, no matter what they be, keep the mind on the work at hand. The results may be discouraging at first but after a time most gratifying results will crown your efforts.

"Keep the faculty of effort alive in you by a little gratuitous effort every day."

THE DEFICIENCY OF OUR STUDENT ORGANIZATIONS.

Would it not show an unselfish spirit if the men at the head of student organizations would spend an hour daily and give their time and attention to their own organizations?

The Students' Parliament has always been a necessity in distributing money matter to organizations and the taking care of funds for various other purposes, but as far as attainment of speech in our parliamentary debates are concerned, there seems to be a laxity which is almost intolerable, and besides a great many men do not know the proper procedure of parliamentary rules. Last year our Royal Dental Society was very sluggish, and its president seemed only interested in his work regarding his studies. Since this is the largest organization of all our student organizations, we believe a great deal more is to be expected of this club than any other in the R. C. D. S.

Up to the present date the Royal Dental Society has not shown any manifestations of life, but we are sure the committee in charge will not let that organization pass into oblivion.

UNLUCKY.

Friday, the Thirteenth (Dec.)

We may be Irish, but we're not superstitious although things do happen on such uncommon days that makes one wonder.

The weather man did his part nobly by furnishing abundant moisture during the day and even for the evening function.

A patient was slightly overcome by nitrous oxide and oxygen in the exodontia clinic.

Rogers, '21, in soldering two gold crowns succeeded in cremating them.

Levesque, '19, was asked to duplicate on a bar lower.

Dickson, '19, was interviewed by a Freshman on the question of Ivory teeth and asked if he would spend a few evenings carving some for him. Talk about black cats!

Black, '21, was completely "broke" after buying bouquets for actress. ('22 Theatre Party.)

Blondin, '19, had no patient.

Hugill, '19, bought bars for six. something wrong with the day.

Hicks, '20, spread a beautiful Herpis Lobialis with vaselene.

Miss Kinsman, '21, "enjoyed" a dance with Socket, '21.

Hicks, '20.—"Is she a good musician?"

Palmer, '20.—"Very. She knows when to quit."

Lee, '22.—"I hear that all the Sophs are very good musicians."

Giffin, '20.—"How's that?"

Lee, '22.—"They can all blow their own horns!"

Rogers, '21.—"I know a couple of nice girls we can take to the show to-morrow, Red."

Charles, '20.—"Never mind the show, lets go out and spend the evening."

Rogers, '21.—"That's about all you ever do spend."

Davidson, '22.—"Say, Mac, why is it that you can't hear a fellow kiss a girl in the back seat, on these cold winter nights?"

Mac, '22.—"Because he has his muffler on!"



G. W. CONNOR
Spare Scrim



G. A. SIKES
R Inside



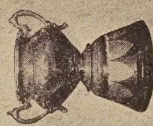
A. T. TRENCH
L Half



A. J. ROBERTS
Spare Scrim



G. A. MURPHY
Presumpter Half Backs



DENTAL RUGBY TEAM

MULOCK CUP U17 Champions

1918



G. W. CONNOR
R Half Back



G. W. CONNOR
Spare Scrim



L. W. STANLEY
Flying Wing



G. A. ROBERTS
Quarter Back



D. W. MURPHY
Non President



A. T. TRENCH
Centre Half



D. W. CONNOR
R Middle



D. W. CONNOR
L Scrim



A. J. GRANMAN
L Inside



G. W. CONNOR
Spare Scrim



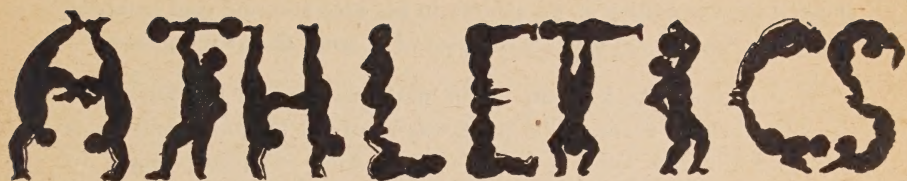
D. W. CONNOR
R Middle Wing



A. J. ROBERTS
L Middle



D. W. CONNOR
Outside Wing



DENTALS WINNERS OF MULOCK CUP.

For the first time in the history of the Mulock Cup, and on the occasion of the 25th final in the series, Dents won the championship by defeating School of Practical Science in the final, Wednesday, December 4th, at Varsity Stadium, by the score of 7 to 2. The cup was donated in 1894 by Sir William Mulock, and the battles for the coveted trophy have proved very interesting, but no teams played under more trying conditions than those that they played under yesterday.

The field was covered with snow, which had frozen hard and the footing was any thing but accurate. A cold, biting wind blew down the field, and the conditions made it very hard on the players, who sustained injuries every few minutes, necessitating stoppages of play. McKenzie, the S.P.S. quarter-back, was injured and forced to retire in the second quarter, and Roberts, who plays the same position for Dents, was carried off the field in the last period. Both teams missed many good chances to score, but Dents seemed to possess the punch that rallied their line when the Science boys looked dangerous.

Pearlman of Dents and Houston of S.P.S., both former Jarvis Collegiate boys, were the stars of the day. Pearlman did some wonderful tackling and invariably was on top of every play, so that the opposing halves found themselves held in their tracks. Houston plunged with remarkable effectiveness and waded through to the opposing line in much the same style that the famous Smirle Lawson used. Schatz and Staples also proved very consistent tacklers and used good judgment in their work. Wendell Holmes, the kicking half of the Dents made some good gains, but his best work was his ability to take advantage of openings and to make gains on end runs. Louis Hudson

showed his versatility as an athlete in his nice running and catching, while Joe Teich, the other half, played a good defensive game.

S. P. S. took the kick-off in the first quarter and the Dents had the wind behind them. The punt was returned to centre and on an extended end run Teich gained twenty yards. Staples plunged for fifteen yards also, but Dents lost the ball and Hudson pnted into centre on a punt, Schatz pulling him down. Holmes punted into touch 25 yards out, but S.P.S. lost the ball for interference, but the kick was blocked and McKenzie saved the situation temporarily by going around the end and reaching centre. A blocked kick gave Dents the ball, and on a punt and a buck, put themselves in a position to score again but failed to get their yards on three attempts. Schatz pulled Holmes down on the Science 35 yard line as the period ended, with no score.

Almost immediately after the second quarter started Holmes gained 15 yards on an end run and then kicked into touch for a point. Science lost the ball again and when Holmes punted Pearlman brought McNichol down only five yards out. After two bucks interference gave Dents the ball on the S.P.S. line, and Roberts headed a scrimmage buck which resulted in a touch which Holmes failed to convert. Dents lost possession on their 40-yard line and Fotheringham punted over, but Hudson ran the ball out nicely. Holmes kicked into touch, 10 yards out, but subsequently the Science line was driven back beyond centre on a series of misplays. When half time came Dents were in possession 40 yards out.

Early in the third quarter exchange of punts found Pearlman and Schatz nailing their men before they could move. Finally, Holmes got away and ran the ball to the S.P.S. 35-yard line from where he punted to the dead line making the score 7 to 0. When Dents lost the ball at their opponents' 40-yard line Houston broke through and the ball went to Dents' 40-yard line, but off-side cost them possession, and after a punt had driven them back Houston brought his team mates to centre with another beautiful line plunge. On Dents securing possession Holmes punt was blocked and Schatz grabbed the ball. S.P.S. followed up with a gain on bucks but no yards were given. The quarter ended with Pearlman in possession.

Shortly after the last period started Roberts was injured and was

carried off the field. Fotheringham punted well with the wind behind him, and finally kicked into a touch in goal for S.P.S.'s first point. Hudson made a nice gain on a line plunge but Holmes kicked poorly; S.P.S. got up to within fifteen yards of Dents line, but failed to get over. Holmes succeeded in punting for a rouge, making the score 7 to 2. Exchange of punts featured the closing moments of the game. The teams:

S.P.S.—Flying wing, Schatz; halves, Benson, McIntyre, McNichol; quarter, McKenzie; scrimmage, Eckert, Beck, Kerman; insides, Irwin, Maunder; middles, Bennett, Houston; outsides, Gregg, Johnston; spare, Fotheringham.

Dentals.—Flying wing, Staples; halves, Holmes, Teich, Hudson; quarter, Roberts; scrimmage, Lajoie, Johnston, McGowan; insides, Sirrs, Graham; middles, Norton, Ferguson; outsides, Pearlman, McLaurin; spares, McLaughlin, Collins.

Referee, W. A. Hewitt.

Judge of Play, L. E. Marsh.

BRIEF RUGBY HISTORY OF DENTS' PLAYERS.

Great credit is due the members of the Dental Mulock Cup team for the splendid showing they made this fall in bringing the coveted Mulock Cup to the Dental College for the first time in history. The hearty congratulations of every student in the R.C.D.S. goes out to the players and too much cannot be said of their work. Every man on the team worked hard and did his share to bring home the bacon. Hya Yaka has endeavored to obtain a brief rugby history of each of the players and the following are the records of the men, all of whom have records to be proud of:

NORTON, left middle wing—"Doc" hails from Wiarton, but learned the game since coming to R.C.D.S. In 1913 and 1914 he played spare for Dents Mulock Cup team. In '15 he made a good showing with Dents as a regular. This year he showed them all up by his ability to stop bucks.

LAJOIE—Rugby and 'Laj' have been pals for a long time. In 1913 he was captain of the Ottawa College team winners of the Bryson Cup and played off with Varsity for the Dominion Championship. In 1914 and 1915 he was with the T. R. & A. A. In 1917 and 1918 with the Dentals Mulock Cup teams.

SIRRS, right inside wing.—First played in North Toronto High School League. Played for Dents in his Freshman and Sophomore Years. He arrived home from overseas just in time to help win the cup.

FERGUSON, middle wing.—Comes from Chatham where they play American rugby. Played outside wing for Dents last year. 'Fegie' follows up well and is a sure tackle.

HUDSON, right half-back.—Louie played in the Toronto High School League prior to coming to the R.C.D.S. One of the stars of the team, a fast runner and a sure catch.

McLAUGHLIN—Learned the game with Hamilton Collegiate with whom he played in 1914 and 1915, and in 1916 with the Hamilton Junior Tigers. In 1917 and 1918 he played good heady rugby with the Dents.

COLLINS, scrumage.—Hails from a noted rugby town where he played Junior O.R.F.U. This is his first year with Dents and we will hear from him later.

HOLMES—Wendell might be termed the daddy of them all. His rugby record reads like fiction. In 1912 he played with the Parkdale Canoe Club Junior O.R.F.U. champions, and with the Dental Mulock Cup team of the same year. In 1913 with the Capitols Dominion Champions. In 1914 with Varsity firsts against Varsity Old Boys and with the Argonauts the Dominion Champions. In 1915 with the same team who that year were the runners up to the Tigers in the Dominion Championship. In 1918 with the Champion Dentals. The above record shows that Holmes plays only for champions so the Mulock Cup was ours before the League started. Holmes' punting invariably meant gains for the Dents all season and his share of the silverware is by no means small.

PEARLMAN, right outside wing.—First played with the Arlingtons in the Junior City League. Last year with the Capitals' Intermediate O.R.F.U. team. He makes things uncomfortable for opposing half-backs.

TEICH, left half-back.—Joe is an old timer for Dents, playing with them in '12, '13, '14. In '14 he was captain of the Dental fourteen. Joe knows all the tricks of the game.

GRAHAM, inside.—Jack learned to handle the pig skin in Glace Bay, where he played for the Glace Bay High School team in 1911. In 1913, '14, '15, with St. Francis Xaviers College team, intercollegiate champions of the Maritime Provinces. In 1916 with the Glace Bay Rugby team and in 1917 and 1918 with the Dental Mullock Cup teams. Grahamie's hard work did much to bring the mug to the R.C.D.S. this year.

STAPLES, flying wing.—Played rugby with Woodstock C. I. And with the Dents the last three years, '15, '16, '17. Last year he played outside wing and captained the Dents to the semi-finals. Louis holds a first and second "T."

ROBERTS, quarter.—In 1914 Rob played with the Regina Collegiate, winners of the Moosejaw-Regina Intercollegiate League. In 1915 and 1916 with Regina Seniors, Western Canada Champions since 1908. Last year and this year with the Dents. Rugby and Roberts go hand in hand and his knowledge of the game is an asset to any team.

MACGOWAN, scrimmage.—"Mac" learned the game in Hamilton's corner lots. In 1912-'14 he played with Hamilton Collegiate. In 1915 with the Beavers in the Hamilton City League and this year he got into the championship class with the Dents.

McLAURIN, left outside wing.—In 1914 "J" played with Woodstock College, the Western Ontario Junior Champions. For the last two seasons he has been with the Dents. McLaurin is a persistent, hard-working player. No player looks too big to "J." It is a case of up and at them all the while.

LONG.—Learned the game with Harbord Collegiate for whom he played in 1915, when they won the intercollegiate championship. This was Long's first year with the Dentals and his work this year showed that the fellow who beats him for a place next year will have to go some.

JOHNSON, scrimmage.— With Dents in '12, '13, and '14. Did not forget the game while overseas. Once he donned the uniform he did much to strengthen the line. A most useful player in any position.

DENT'S HONOR LIST.

Rugby (First "T")—L. W. Staples, '19.

Second "T"—J. F. Roberts, '21; J. C. McLaurin, '19; J. H. Graham, '20.

Hockey, 1917-18 (Second "T")—W. H. Smith, '19; J. G. Countryman, '20.

L. Pearlman, '22, will be awarded a first "T" on his entrance to the Sophomore Year.

HOCKEY CLUB ORGANIZES.

The University Hockey Club was organized for 1918-19 in Mr. Reed's office, Hart House, last Wednesday night.

The following officers were elected: President, J. A. O'Brien, St. Mikes; Vice-President, M. McNichol, S.P.S.; Secretary, M. L. Stokes, U.C.

A Committee was elected of representatives of the various teams entering: Victoria, W. M. Gordon; Dentistry, A. M. Hord; F.O.E., G. Francis; Trinity, E. F. Willis; Senior Meds., McGillivray; Junior Meds., F. Cruickshank; Veterinary, Cowie; McMaster, L. R. Browne; Pharmacy, —

HOCKEY EXECUTIVE DRAWS UP SCHEDULE OF GAMES.

Group I.—Trinity, Victoria, F.O.E., Veterinary.

Group II.—S.P.S., St. Mikes, Junior Meds., McMaster.

Group III.—U.C., Pharmacy, Senior Meds., Dents.

Jan. 16—Senior Meds. vs. Pharmacy.

18—Dents vs. U.C.

23—U.C. vs. Senior Meds.

25—Pharmacy vs. U. C.

28—Dents vs. Senior Meds.

30—Pharmacy vs. Senior Meds.

Feb. 1—Dents vs. U.C.

4—Pharmacy vs. Dents.

6—U.C. vs. Senior Meds.

8—Pharmacy vs. U. C.

11—Senior Meds. vs. Dents.

INTERFACULTY HOCKEY.

The hockey players have taken advantage of the cold spell and are getting in a lot of useful practice. A number of last year's players are available, also a lot of new material. Manager "Al" Hord is looking after things and we expect there will be something doing when the race for the silverware starts. Come out and cheer for —Dents.

BIRTHS.

Born at Toronto, December 20th, 1918, to Mr. and Mrs. J. G. White, a son.

MARRIAGES.**TAYLOR—MARWICK.**

A quiet wedding took place at the Southern Congregational Church, London, Ont., on Thursday, December 26th, 1918, when Ruth Annie, youngest daughter of Mr. and Mrs. Wm. Marwick of Watford, Ont., became the bride of Harold Dixon Taylor of Toronto, son of Mr. and Mrs. Eli Taylor of Brooke Township. The ceremony was performed by the Rev. W. H. Claris, pastor of the church. The young couple were accompanied by Miss Maude Marwick, sister of the bride, and Mr. Jas. Taylor, brother of the groom. The bride wore a becoming suit of Burgundy serge, her only ornament being a pearl crescent, the gift of the groom.

The happy couple left on Thursday, January 2nd, 1919, for Toronto, where they will reside.

MONTGOMERY—CUILER.

It is with great pleasure that The Hya Yaka has learned of the marriage of one of the recent graduates of R.C.D.S. The afternoon of December 6th, 1918, was the occasion of the marriage of Dr. R. J. M. Montgomery, '17, to Miss Minnie A. Cuiler of Medicine Hat, Alta. During his course the groom was very prominent in musical circles. During the four years of his course he was a continuous member of the University choir. He was also a member of the R.C. D.S. orchestra and of the famous Harmony Four, a well-known quartette. After his graduation, Dr. Montgomery was for some time laboratory assistant at the Dental College, and last spring he opened his present office, corner St. Clair and Vaughan Road. His bride is a graduate of the Medicine Hat Conservatory of Music.

Locals

We are pleased to hear that Lieut. Leslie E. Wilmott, returned from overseas on January 6th, 1919.

He went overseas in October, 1916, and after spending nine months in France in Pioneer Btn., transferred to R. A. F. After completing course he was made instructor at Grantham.

He crashed, in July, 1918, and broke hip and badly burned and spent 14 weeks in hospital. He is a son of Dr. W. E. Wilmott, secretary of R. C. D. S.

'Ye editor' assisted in registering the men who took the special war surgery post graduate course.

Dr. J. White, is walking with a lock-step these days. He met with a slight accident while playing basketball in the Y.

J. C. MacLourin spent a few days visiting Ottawa. From the exclamations (?), Jay uttered it seemed to be no joy trip. He was called to report for discharge (which he didn't get.)

The matrimonial market seemed to be working overtime during Xmas vacation.

At a lecture since then the Dean explained it's intricacies to the senior year, giving it's etiology, symptomology, treatment and prognosis.

Owing to so many changes in the staff of demonstrators some members have been overlooked.

Dr. A. Babcock, a member of Class '18, is demonstrating in the Junior Year. He is also taking an active part in social functions, being representative of the Faculty on the "At Home" committee, and Mrs. (Dr.) Babcock is one of the patronesses.

Chemistry lecture—"D" Lackic Acid.

Prof. Lancaster.— "That 'D' doesn't stand for what you are all thinking of."

Query.—"what was Class 2T1 thinking of?"

Dr. W. Chalmers, who has been practising Dentistry for some years, is now demonstrating in the Freshman Year. He is specializing in Exodontia and Anaesthesia.

The lighting system of the Infirmary was due a note of criticism, but owing to the fact that one light has been installed, we will refrain from such pleasures until some future time.

H. M. Code, on account of ill health, finds it impossible to continue his course with class 2 T 0.

Serg't W. Mitchel, '20, is unable to finish this year as a result of his recent illness.

Deepest sympathy is extended to A. F. Cooper, 2T0, in his recent bereavement. His brother and sister having fallen victims to the 'flu' during his Xmas vacation.

Among the veterans, who have recently returned from the front to complete their study, are G. Pollock, V. D. Speer, R. W. Freestone, J. Lally, C. T. Moyle, and E. S. McBride. All are members of the Junior Class now, after serving their country for the past three years.

Why is it that the demonstrators of the Freshman Year always stand in the north-east corner of the lab.?

Dr A. F. Cahuin, a graduate of Class 1T8 paid the College a short visit during the past week.

Red hair and pink shirts are quite in vogue in the Junior Year.

From the number of new ties, scarfs, scarf pins, etc., that are conspicuous by their 'loud' presence we are sure that the girls of the home towns were glad to welcome their wandering boys home.

The members of the Senior Year are pleased to see "Bill" Hayes' smiling countenance around the corridors of the R. C. D. S. after his recent illness.

Class 1T9 will be pleased to hear that "Jack" Pickard is recovering nicely after his operation for appendicitis.

We are sorry to hear that Dakes, 2T1, had the misfortune to have his superior naxilhae fractured while playing "shinny" with the famous All Star Hockey team.

Class 1T9 is sorry to hear that Alston is very seriously ill at his home. He contracted the 'flu' which developed into pneumonia.

Dr. S. Dickson.—"Blest be the tie that binds."

Freshette No. I.(after the dance)—"Oh I couldn't love him."

Freshette No. II.—"Why not?"

Freshette No. I.—"He wears a wig, the very idea!"

Then she removed two rats, some puffs, a coronet braid, a pomp-adour, and switch and sat down to peruse a novel.

Dr. Willmott (watching two C.A.D.C. freshmen walking along College)—"One of you fellows is out of step and if I find out which it is you'll be punished."

Rev. Dr. ——— said last Sunday: "My friends, the floors of hell are paved with wine, chorus girls, automobiles and moving picture shows." Agnew was horrified to hear Jones yell "O death where is thy sting?" and Joe Socket says "Going down. Take the red light for mine."

Freshie.—"They say my face is my fortune."

Soph I.—"Never mind, poverty ain't no crime."

Soph II.—"Yes, get pictures taken and sell them for puzzles."

First Rooster.—"What's the matter with Mrs. Brahma."

Second ditto.—"Shell shock—ducks came out of the eggs she was sitting on."

Wilson, '21, "There's no use of the Kaiser going to Holland."

Warnica, '21.—"Why?"

Wilson, '21.—"He'll get in Dutch."

Where does Palmer go at night? Judging from the hours he gets in he must be "always chasing rainbows."

Junior.—"Do you see those Freshmen over on the corner there, smoking cigarettes. Well if they were up a tree what fruit would they represent?"

Soph.—"I have it—a rotten pair." (pear)

Junior.—"You're good."

Soph.—"They say a man is as old as he feels and a woman as old as she looks."

Senior.—"That's what they say friend, but on the level that little Freshette with her hair down her back must be more than thirteen."

Members of 2T1 Who Have Seen ACTIVE SERVICE

Herbert Ross Anderson, gunner C.F.A.; Robert T. Broadworth, gunner C.F.A.; George A. Colbeck, gunner C.F.A.; Earl Garfat, sgt. in a battalion; Guy Burton Halladay, pte. P.P.C.L.I.; George W. Howson, pte. 116th battalion and won Military medal; James E. Irwin, 5th Can. Field Amb., P.P.C.L.I.; G. G. Jewitt; Grant Johnston, 58th Batt.; J. A. King, M. G. Section; L. M. Martin, English Lieut.; J. M. McLeod, gnr. C.F.A.; Geo. Snell, C.F.A., M. M. and bar; C. Steele, C.F.A.; E. McFeetors, C.F.A.

The majority of these men were members of Class 1T9, and enlisted in the spring of '16, some before the final examinations were written.

Ott, '19 and Hugill, '19, continue to gamble like lambs.

"He also serves who only sits and files."—Over, '22.

Dr. Graham.—"One may take it for granted that all vessels may be called boats; now, Mr. Woodley ('22) what would we call a blood-vessel?"

Woodley.—"A life-boat, sir?"

Obituary

The Late Dr. Roy Harvey Mills, Victim of Influenza.

The late Dr. Roy Mills was born at Thessalon in 1893 where he received his early education and later moved to Detroit where he lived for a few years prior to entering Class '15 in the R.C.D.S. During his student days he was a victim of appendicitis and thereby lost one year, finishing with Class '16. He was of a genial disposition, and his free-off-hand manner made him a favorite of his classmates. His smile was of a quality of freshness and sincerity which exhilarated friendship wherever he happened to be. His alacrity and accuracy of his work soon brought him into favor with his teachers and his results were always fruitful at his examinations.

During his short term of practice in Blind River he was the victim of one local fire which burned his office and outfit to the ground. Notwithstanding that he purchased an entirely new outfit which was again burned during those awful bush fires of the north. He had, however, succeeded in saving some money, in spite of these reverses, but chose Thessalon as a future place to practice. Here he made many friends and had a very lucrative practice. That he was a fast and competent worker that was remunerated for his services cannot be denied when we know he bought and paid for two new dental equipments of no mean value, and owned a big McLaughlin six car. He often visited Toronto during the past few years and while down in the city during the Xmas vacation, contracted a cold, which developed into influenza and he died in a week in spite of all medical aid.

His early demise is to be regretted for the future of one so young and energetic, and who was putting as much into his profession as he was getting out of it. His strong moral character and pure and simple methods of living should have assured him a ripe old age, but victims of influenza were not chosen from the infirm, senile humans, but the young and hardy. Hya Yaka deeply extends its sympathy to the parents and relatives and all his host of friends, who mourn his loss.

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Barristers, Etc.—E. A. Harris, C. P. R. Building.

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Boots and Shoes—Brotherton, John, 578 Yonge St.

Confectionery, Etc.—Woman's Bakery, 270 College St.

Dental Supplies—

Ash, Son & Co., Claudius, 11-13 Grenville St.
 Allen & Rollaston, Dental Laboratory, 2 College St.
 Dental Co. of Canada, 229 College St.
 Dental Trading Co., 237 College Street.
 Goldsmith Bros., 24 Adelaide St. West.
 Ingram & Bell, 256 McCaul St.
 National Dental Co., 10-12 St Patrick St.
 Sanders Dental Supply Co., 449 Spadina Ave.
 Temple-Pattison Co., Ltd., 243 College St.
 White, S. S. Dental Mfg. Co., College St.

Drugs—

Ferrier, Geo. W., 233 College St.
 Parke, Davis & Co.

Photographers—Farmer Bros., Ltd., 492 Spadina Ave.

Printers—Haynes Press, 502 Yonge St.

Restaurants—Rose Cafe, cor. College and Spadina Ave.

Sporting Goods—

Brotherton, John, 578 Yonge St.
 McBride, Percy A., 343-5 Yonge St.

Text Books—

McAinsh & Co., 4-12 College St.
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Miscellaneous—

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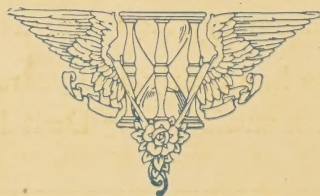
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February, 1919



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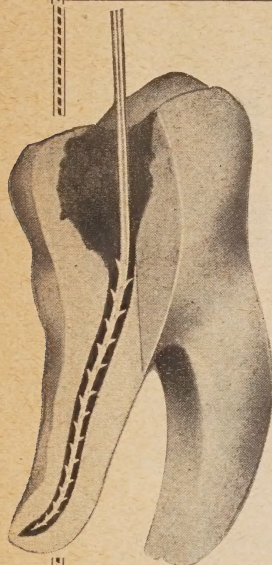
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A TESTIMONIAL.



THE HYA YAKA

Vol. XVIII.

Toronto, February, 1919.

No. 2.

Preparation of Roots for the Reception of Dowel Crowns

IRVIN H. ANTE, D.D.S., L.D.S., TORONTO

Associate Professor Prosthetic Dentistry, Royal College of
Dental Surgeons.

In the field of crown work a clear conception and a thorough understanding of the indications and requirements of such substitutes are essentially necessary. It is largely a matter of judgment and discrimination as to the particular method applicable to the case at hand. At first conclusion there may be several methods apparently applicable, but there is usually one in particular which upon close observation will best meet all the requirements. While crown work is divided into two general classes, namely the shell, or telescope crown, and the dowel crown, the variation in the essential detail of their individual construction requires that each class be subdivided and considered separately.

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The crown should never pass under the free margin of the gum any further than is absolutely necessary, and then only far enough to conceal the seam of union between the crown and root on the labial or buccal surfaces. It should be so constructed as to produce a close approximate continuity and reproduce a normal appearance, anatomical form, interproximal space, embrasure, contact point, alignment, occlusion, and articulation, thus overcoming any tendency toward gingival inflammation, periodontal and alveolar absorption or traumatic injuries.

Removing Coronal Portion.—Undermine the crown of the tooth by cutting grooves from mesial to distal about two millimeters from the gingival margin on the labial and the lingual surfaces. Use a knife-edged carborundum stone, size half-inch, five-eighths and three quarters, in the straight hand piece for the anterior teeth and in the contra or right angle for the bicuspid and molars. Fig. 1A.

Insert a fissure burr, No. 556 into the groove on the labial surface and destroy the continuity between the walls. Fig. 1B. With the excising forceps and without danger of fracturing the root the remaining portion of the crown may be nipped off. The basal end of the root is trimmed down with square edged stones, root facers, small mounted stones, and burrs.

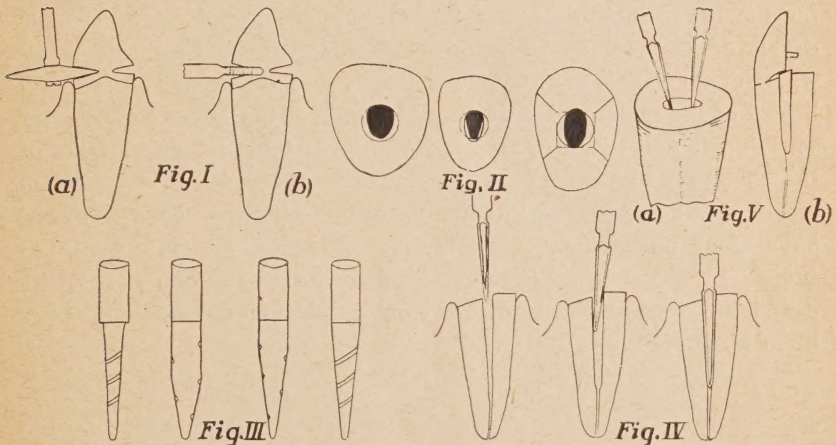
Presuming that the tooth has been X-rayed, the surgical and therapeutic treatment of the same has been carried out. The root canal has been enlarged, thoroughly sterilized, and dehydrated and is now ready for the inserting of the favorite root canal filling.

If the root is intended to be used as an attachment for a dowel crown, it is necessary to fill only a portion of the canal. The root filling is packed tightly into the canal and about four or five millimeters of the apical end is filled. It is then X-rayed to verify conditions. If satisfactory, thin chloride of zinc cement is forced into the canal to hermetically seal the root canal filling.

The Dowel.—A dowel is a piece of metal fitted into two adjacent parts (the root and the crown in the direction of their longitudinal axis) to fasten them together. In roots which are even with or approximately the gingival line, attachment must necessarily be made by inserting a dowel. If the dowel selected is of a size proportionate with the size of the root and requirements of the crown and then attached to the root and the crown, such a mechanical fixation dis-

tributes the leverage throughout the length of the root, and thus forms a means of anchorage.

Requirements of a dowel.—It should conform to the anatomical form of the root canal. It should fit closely to the walls of the canal throughout its entire length. It should extend into the canal length equal to the length of the crown to be restored. It should be constructed of a metal that will not corrode or disintegrate from the action of the cementing medium or the fluids of the mouth. It should possess enough strength to withstand the stress to which it is subjected. It should be constructed so as to prevent rotation, and afford a mechanical fixation between the connecting medium and the walls of the canal.



The Advantages of a Round Dowel.—Easy to remove from the canal after mounting. The canal is prepared with greater ease. A much larger gauge may be used in the same size round canal that would admit of the square. A difference of two gauges 14 and 16 standard which is equal to thirteen one thousandths of an inch. It conforms more favorably to the anatomical form of the root canal. It requires the least amount of tooth destruction. Fig. 2.

Disadvantages.—It does not help to prevent rotation of the crown. The only advantage the square shaped dowel has over the round is that it helps to prevent rotation and on account of being drawn with square edges it is supposed to possess greater rigidity.

The Disadvantages of the Square Dowel Compared with the

Round.—Difficulty of canal preparation. If inserted into a round canal, it does not fit closely to the walls of the canal, also a smaller gauge must be used.

It does not conform as favorably to the anatomical form of the root canal. If the canal is prepared square, the root is weakened in four places. Fig. 2.

Comparison proves in favor of the round dowel. There can be no rotation if the wire used is of adequate size; the crown and dowel, well adapted and the mounting secure; nevertheless this may be overcome by squarely tapering the apical end of the dowel. The apical half is tapered for the canals of the cuspids, lower bicuspid, and the upper centrals. The apical three-quarters, or a full tapering for the lower incisors, upper laterals, upper bicuspid, and all the canals of the molars. The dowel should also be flattened somewhat for the canals of the upper laterals, second bicuspid and mesio buccal of the molars, also the mesial canals of the lower molars. By so doing it will conform more favorably to the anatomical form of the root canal, when fitting the dowel to the canal if a porcelain crown is to be employed, cut the dowel to a length which will afford about four millimeters of surplus; if a facing, two millimeters is sufficient. If the dowel is shaped as described the gauge of the wire used is fourteen and sixteen round irridio platinum or gold and platinum alloy. Fig. 3.

Preparation of the Canal.—The root canal should be enlarged sufficiently to receive a dowel proportionate in size with the diameter and probable length of the root; and consistent with the requirements of the crown. Any further destruction of the tooth tissue is unnecessary. None but safe ended instruments should be used (root reamers, twist drills, gates glidden, etc.) as there is danger of perforating the root. Start with small reamer and gradually increase in size until one approximating the same diameter as the dowel is finally used. Fig. 4. Canals that are constructed mesial-distally are enlarged (with small reamers) to conform with their anatomical form. Fig. 5A.

When ready-to-wear, or porcelain crowns are to be used, the canal is enlarged at the expense of all the surfaces, so the dowel will sit directly in the centre of the root. When facings are employed the canal is enlarged at the expense of the ligual half of the root,

thus allowing plenty of room labially for the adjusting of the facing to the proper relation and also increased attachment between the dowel and the coping. Fig. 5B.

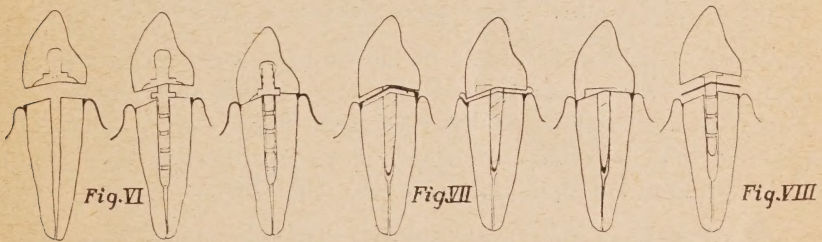
The writer will present the following root preparations and construction of the base for dowel crowns.

Ready-to-wear.—Separable dowel. Inseparable dowel.

Full Band and Dowel.—Peripheral band (Richmond). Shoulder band (Buttner). Interdental band (Cigrand).

Half Band and Dowel.—Burnished half band. Swaged half band.

Plate and Dowel.—Angular base, Flat base, Half shoulder, Lingual shoulder.



The Separable and Inseparable Dowel Crowns.—The separable dowel crown has a removable dowel which is designated for the purpose of facilitating the adaptation of the crown to the root. Fig. 6.

The inseparable dowel crown has an immovable dowel which is baked in or otherwise securely attached to the porcelain crown. Fig. 7.

Indications.—For single crowns only. On the upper six anterior teeth. As a temporary crown. Expediency. Condition of instability of the root.

Advantages—Presents good esthetic effect. Ease with which the crown may be adapted. The natural condition of the gingival is preserved. Inexpensive. The operation may be completed in one sitting.

Disadvantages.—Difficulty of obtaining a crown of the same shape and diameter as the base end of the root. Difficulty of securing

a perfect continuity and adaptation between the base and periphery of the root by grinding. The absence of the preventive means against the disintegration of the cementing medium. The penetration of the saliva and destruction of the root by caries or fracture. The ease with which the crown may be adapted encourages carelessness. They cannot be used as abutments for bridges or special attachments.

The permanency and success of such crowns depend to a great extent upon the degree of accuracy secured in the adaptation to the root. Its base should be so shaped as to prevent rotation and render the opportunities for a close adaption most favorable. The basal end of the root is beveled both labially and lingually from the central point. The labial bevel extending under the free gum margin to a depth of one and a half or two millimeters, the lingual bevel is carried just to or a little above the gum margin. Figs. 6 and 7.

Many of the disadvantages of the ready-to-wear crown may be overcome by fitting a dowel and adapting a coping of pure gold (32 gauge) to the basal end of the root, unite the two with solder, replace on root, take impression and bite, secure model; then grind the crown to fit the coping instead of the root. Fig. 8.

The Full Band and Dowel Crown.—There are three types—the peripheral band and dowel, the shoulder band and dowel, and the interdental band and dowel.

The Peripheral Band and Dowel Crown.—This style of crown involves the adaptation of a full band to the periphery of the root, a pure gold cap to the basal end of the root, the fitting of a dowel and attaching thereto, and then the subsequent attaching of the parts. Fig. 9.

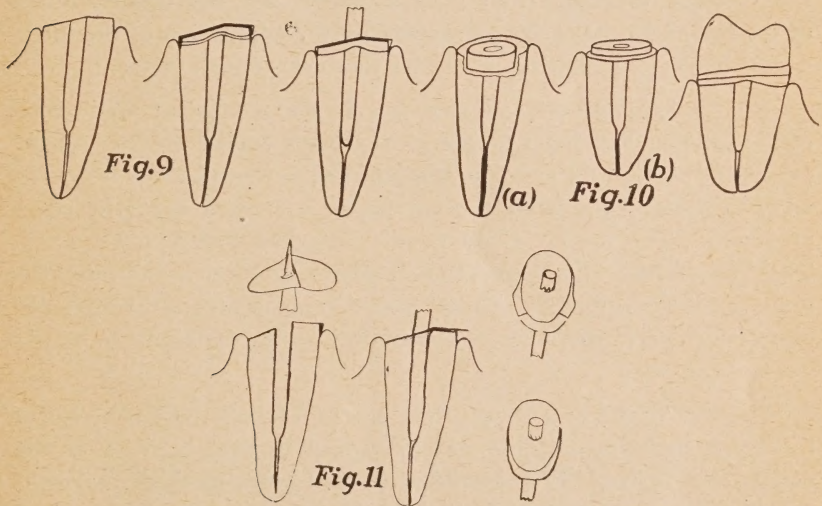
Indications.—On fractured roots, on weak roots requiring increased mechanical support to prevent fracture, on roots of the bicuspid, molars and lower incisors; on very short roots, in cases of very close occlusion; for single crowns or as abutments.

Advantages.—It gives a maximum of strength and stability of attachment. The basal end of the root is more or less immune to the penetration of secretions. A safeguard against fracture.

Disadvantages.—The gingival enamel is destroyed. Difficulty of removing all of the gingival enamel. Difficulty of reproducing

the natural gingival contour. A tendency to gingival irritation. Difficulty of securing close approximation and continuity. It lacks esthetic requirements.

The basal end of the root is prepared to a flat incline from buccal to lingual, or the angular shaped base of 40 to 45 degrees centigrade. Fig. 9. It also is left projecting out of the gum 3 mm. on the lingual side and 2 on the buccal to facilitate in removing the enamel, taking of the measurements, fitting, contouring and festooning the band.



The root is finally trimmed down to a depth of 1 mm. on buccal and 2mm. on lingual. An impression is taken of the end of the root, an amalgam model is secured, and a pure gold cap is swaged (36 gauge). The band is fitted over this, and the two united with solder; then refitted upon the root in the mouth. The pure gold at the gingival is burnished to close approximation; then reinforced at that point with solder. Fig. 9.

When possible it is advisable to eliminate as far as possible the necessity of bands that pass under the free margin of the gum. It should extend only far enough to protect the seam of union. It should be in such proximity to the root as to preserve its continuity, and constructed so as to reproduce the normal anatomical form at that point.

The Interdental Band and Dowel.— For the reception of the

interdental band, a groove is trephined into the base of the root about 2 mm. deep, midway between the canal and the periphery. The band of rigid plate is fitted into this groove, a plate coping is soldered thereto and burnished to the base end of the root; then the dowel is subsequently attached. Fig. 10A.

Indications.—On large, strong roots, free from decay, where increased mechanical support seems desirable. (Upper centrals and cuspids).

Advantages.—Same as peripheral band, except that the root is not immune to penetration of secretions. All the disadvantages of the peripheral band are eliminated by the adaptation of the interdental band; but there is a greater sacrifice of tooth tissue.

The Full Shoulder Band and Dowel Crown.—In the application of the full shoulder band the gingival enamel is all removed and the periphery of the root is cut or trephined so as to form a seat for the accommodation of a band and coping, or a swaged cap—the latter preferred. The dowel is subsequently attached thereto. Fig. 10B. The indications, advantages and disadvantages are practically the same as for the peripheral, except that there is not the same difficulty of scouring close proximity or continuity, or the tendency to gingival irritations.

The Half Band and Dowel Crown.—In a half band dowel crown the band encircles only the proximal and lingual surfaces of the root. The cap may be constructed by one-piece methods, burnishing or swaging, and a dowel attached thereto.

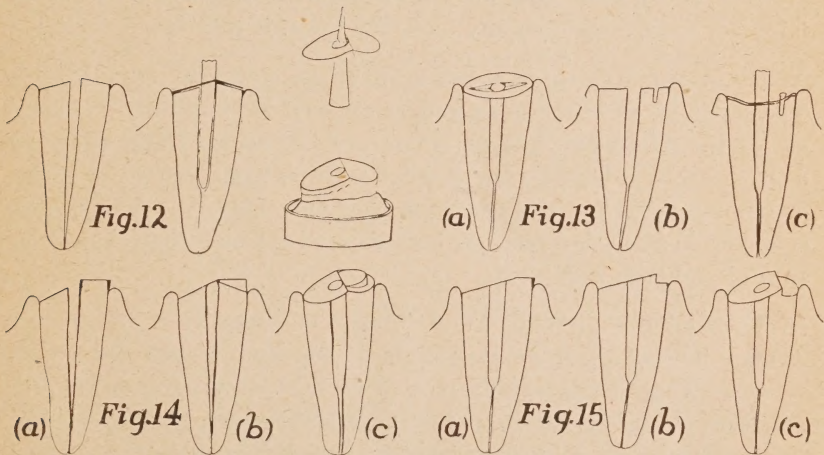
Indications.—On any root, except fractured, when it is possible to allow the root end to project slightly beyond the gum on the lingual surface. For single crowns or as abutments.

Advantages.—It increases the stability of attachment to the root. It fortifies the root against stress in the direction in which it is usually imposed. The most susceptible surface (the lingual) is rendered more or less immune to caries. It is necessary to remove only the lingual half of the gingival enamel. It conserves tooth tissue. It increases esthetic possibilities.

Disadvantages.—Part of the natural gingival contour is destroyed, a tendency to gingival irritation on proximal and lingual surfaces; the bite will not always permit leaving the root long enough on the lingual surfaces for the adaptation of the half band.

The shape given the end of the root is an obtuse angle of about 40 degrees centigrade. The labial slope extends from a point one and a half mm. under the free gum margin on the labial to a point lingual of the root canal. The lingual slope extends lingually, meeting the lingual surface of the root at about right angles, and one mm. above the gum margin.

One-piece Method Burnishing.— A piece of pure gold (gauge 34) is adapted to the end of the root. Leave a surplus of 1 mm. on the proximal surface and 3 mm. on the lingual surface to extend beyond the periphery of the root. Burnish to end of root (a piece of rubber). Insert dowel and solder to coping. Burnish coping with



orange wood in the automatic mallet; trim off surplus gold on the labial surface close to peripheral line, cut coping on lingual from outer edge to peripheral line, which is indicated on gold from malleting; burnish gold to root on lingual (plastic instrument); cut a V-shaped space where gold overlaps. Draw V-shaped space together and solder. Fig. 11. Trim, and then burnish to close proximity. Two or more cuts on the lingual surface are sometimes necessary. Swaging this coping will be considered separately.

The Plate and Dowel Crown.—The plate and dowel crown differ from the preceding by the absence of a band, or half band. It consists of adapting a piece of metal to the basal end of the root by burnishing or swaging, and subsequently attaching a dowel thereto. The different shapes given the basal end of the root are the angular, the flat, the half shoulder, and the lingual shoulder.

The Angular Base.—Indications. This form of base has a wide range of application, and is probably the most extensively used in making restoration of the upper anterior ten teeth, the lower cuspids and bicuspid, for single crowns. Fig. 12.

Advantages.—It produces a close proximity and continuity between the crown, and both the periphery and basal end of the root. The natural condition of the gingival enamel is preserved, the conservation of tooth tissue, and greater esthetic possibilities are afforded. The possibilities of gingival irritation are reduced to a minimum; it lends itself to the adaptation of any form of facing or crown. The angular base affords mechanical resistance to the stress imposed, and overcoming any tendency towards rotation.

Disadvantages.—It is not suitable as an abutment for a bridge. The shape given to the basal end of the root is practically the same as for the half band, but the angle is more acute, being about 35 degrees centigrade; also the lingual slope extends just to or about one-half mm. below the free gum margin. Fig. 12. The coping is either burnished direct, as heretofore described (half band) or swaged and then burnished.

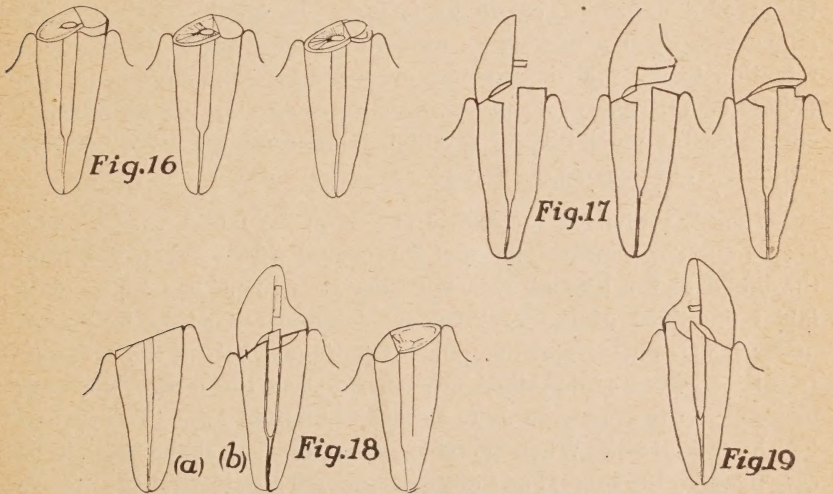
The Flat Base.—While the flat base has a somewhat limited use, it may be employed on second bicuspid and molars for single crowns. These teeth usually receive vertical stress; the dowel will take care of any lateral stress that may be imposed. It may also be employed on roots so disintegrated by caries, thus making it impossible to prepare any other form of root preparation.

Advantages.—Greater destruction of tooth tissue, offers no mechanical resistance to stress, does not prevent rotation, and suitable for single crowns only.

To prevent the crowns from rotating, a groove is cut in the basal end of the root, from lingual to labial. It is made from 2 to 3 mm. wide and about 2 mm. deep at the central point, which is at the canal, and gradually diminishes until it reaches within 1 mm. of the periphery. Fig. 13A. The root may be protected against fracture on upper tuft by inserting an interdental pin of 18-gauge irridio platinum wire into the basal end of the root, midway between the root canal and the lingual surface. The hole is prepared with a one-half mm. or No. 1 round burr, and is made about 3 mm. deep. The pin is attached to the coping with solder. Fig. 13 B and C.

The Half Shoulder.—Fig. 14. The shoulder preparation differs somewhat from preceding forms, and consists of a combination of half band preparation, Fig. 14A, and the angular plate and dowel preparation, Fig. 14B, with a shoulder cut on the lingual half of the root and extending from the lingual to the proximal surfaces. Fig. 14C.

Indications.— It is used when the employment of a band or half band is indicated, but seemingly undesirable on any tooth except the lower incisors for single crowns or as abutments. The advantages are the same as for the angular plate and dowel preparation, but it also gives additional mechanical support.



Disadvantages.—Difficult to prepare. The best results will be obtained by first swaging the coping, 34-gauge pure gold (amalgam die), then burnishing directly to the root.

The Lingual Shoulder.—The lingual shoulder is practically the same as the former, except that the root is given the half band preparation. Fig. 15A. Then a shoulder is cut on the lingual half of the root end from mesial to distal midway between the canal and the lingual surface of the root. Fig. 15 B and C. The indications, advantages and disadvantages are the same as the former, except that it is much easier to prepare; also the coping may be burnished directly to the root.

Concaving the Basal End of Roots.—It consists of cutting a concavity on to the labial half of the basal end of the root, the great-

est depth of the concavity being about 2 mm. at the root canal, then extending to the labial, mesial and distal, gradually diminishing as it reaches the peripheral edge of the root. Fig. 16.

Indications.—It may be employed with any of the root preparations except flat or decayed, the root of which is to support a crown with a facing or artificial crown, it is especially useful on roots where the gum on the lingual surface has receded to excess, thus producing a long labial and a short lingual surface.

Advantages.— Greater opportunities are afforded for the adaptation of a porcelain crown or facing. It eliminates any prominence or display of gold on gingival, it increases the mechanical retention to the root, it produces a minimum of grinding of the facing of the crown, it gives increased soldering possibilities, it eliminates the possibility of rotation, it increases the attachment of the dowel to the coping. Fig. 17.

When the gum has receded to excess on the labial, thus producing a long labial surface, the root is prepared with a flat incline from the labial to the lingual even with the gum line. Fig. 18A. The labial one-third of the root surface is prepared so as to extend under the free margin of the gum. The lingual half of the root surface is concaved as described. When adapting the facing, the neck or ridge lap is ground so as to form an abbutted joint to the labial bevel. Fig. 18B. When possible, a narrow half band should be employed on the lingual as the stress imposed would tend to fracture the root. Fig. 19.

Decayed Roots. With these conditions most of the roots have been destroyed from disintegration or fracture, and present funnelled concaved basal surface with smooth or irregular edges. The root end is invariably embedded beneath the gum and because of the extreme shortness and close proximity of the end of root to border of the alveolus, no opportunity is afforded for the adaptation of a band. The best means of securing a coping will depend much upon the conditions presenting. When impossible to adapt a band the base should be so constructed as to give increased mechanical support and prevent fracture. Good results may be obtained by burnishing, swaging, or casting. Fig. 20 represents concaved funnel shaped roots from destruction of caries.

Burnished Coping for Funnelled Roots.—Fig. 21 A and B. A

piece of pure gold 34 gauge is trimmed to form a round disk, make a cut from outer edge of gold to centre, overlap edges of the gold to form a funnel, Fig. 21A. Place up on the root and force the dowel through same, remove and solder the two together. Replace upon root, burnish or mallett the gold to close proximity with the irregular edges of the root and trim flush with the periphery. Fig. 21B.

Cast Coping for Funnelled Roots.—A flat coping of pure gold 34 gauge slightly larger than the basal end of the root is adapted to the end of the root, the dowel is forced through and then soldered, flow inlay wax upon the under surface of the coping and while warm, force to place upon the root, remove and trim away the excess, heat again and refit, insert sprue wire, invest, heat and cast. The root base now consists of dowel, coping and cast core, replace upon the root and with the automatic mallett, burnish the edges of the coping to the periphery of the root, overlapping the peripheral edge wherever possible, trim away excess gold and replace ready for impression. Fig. 21C.

Fig. 22 represents a root with the labial surface decayed away and extending far up under the gum. The lingual surface extends just under the free gum margin making it impossible to adapt a band, Fig. 22A. The coping is either burnished or swaged so as to fit the basal end of the root. The dowel is inserted and attached to the coping, two small holes are drilled into the basal end of the root, one on the lingual, and the other on the labial midway between the canal and the lingual or labial surfaces, small pins are inserted into these holes and attached to the coping with solder. Fig. 22B.

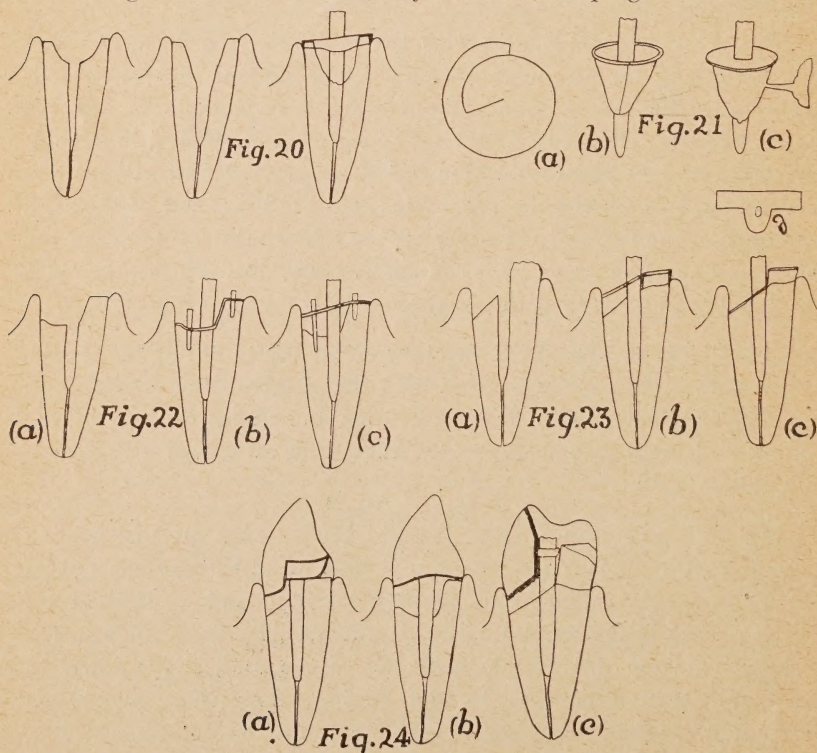
(Method 2).—Fig. 22C. Another method is to adjust the dowel, attach it to a flat coping parallel with the gingival line, insert small pin as described above, flow wax upon the under surface of the coping and press to place upon the root, trim off excess wax, invest and cast in gold.

Fig. 23 is a condition where the labial half of the root has broken away (fractured) leaving the lingual half of which extends out of the gum margin sufficient to adapt a partial band. (Method 1). Adapt a band to the lingual half of the root, to the band solder a flat coping, the same size as the basal end of the root, adapt dowel to canal and then attach it to the coping, flow inlay wax upon the under surface and reproduce in gold by casting. Fig.

23B. (Method 2). Construct a band of 34 gauge pure gold the shape of Fig. 23D, and the same size as the circumference of the lingual half of the root, the band is adapted with the lug extending toward the labial, which is burnished to the labial half of the root, a top is soldered to the band and then the dowel to the coping. Fig. 23C.

Fig. 24 A, B, C, represent the direct casting method, the dowel is adjusted to place, the crowns are selected and ground to proper form, then pure gold 34 gauge is burnished to their base, the dowel is forced through the gold base into the crown and then attached with solder, flow inlay wax upon the under surface of the crown around the dowel and while warm press to place upon the root, remove, trim away excess wax and refit upon the root, remove porcelain crown, invest and cast.

Fig. 24C is a bicuspid with the labial half of the root broken away leaving the lingual cusp intact. Grind off about one third of the lingual half of the root, adjust dowel, keeping it close to the



lingual surface and extending out of the canal about 5 mms., select a facing and grind to proper anatomical form (replacable facings may also be used), back the facing with 34 gauge pure gold. Fasten the backing and dowel together with sticky wax and adjust to the proper position upon the root, remove from the mouth, remove facing and solder the dowel and backing together, replace facing and flow inlay wax upon the lingual occlusal and around the dowel and neck of the facing, while the wax is warm force to place upon the root, then have patient close the teeth together and give occluding and articulating movements, remove, trim off excess wax, carve to correct anatomical form, replace upon root to verify conditions, remove facing, invest and cast.

Swaging.—Impression of the root end in compound retained in small copper band (Blue Island), or Ransome and Randolph.

Copper amalgam model made from impression.

Pure gold swaged upon model (34 gauge).

Cap or coping fitted upon root in mouth and the peripheral margin are malleted with a boot plugger and light blow from the automatic mallet.

Casting produces a tight fit and inaccurate adaptation.

Burnishing produces a loose fit, but accurate adaptation.

Swaging produces a loose fit and a more accurate adaptation.

Swaging and burnishing produce a snug fit and most accurate adaptation.

In conclusion it may not be amiss to point out the all importance of the X-Ray (radiographs) in verifying or censuring the condition of the root. The therapeutic or surgical treatment of the root or canal fillings, the accuracy of the adaptation of bands, coping caps, dowels, etc., in fact all the factors that constitute scientific crown work.

A LOVE STORY IN THREE CHAPTERS.

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- (1) Maid, one.
 - (2) Maid, won.
 - (3) Made one.

Manipulation of Steel for Re-modelling Instruments

By H. G. B., '20.

It is a well known fact that dentistry as a profession calls into use more methods, devices, arts and sciences, than any other calling. So it is reasonable to expect that a few facts on the manipulation and tempering of steel will be of interest to those who expect to use steel instruments of great variety. The purpose of this article is to give the student a method by which he may prolong the use of such dental instruments as hatchet excavators, hoes, chisels, etc. In every dentist's practice there are spare moments which may thus be utilized to good effect. Considering the present day prices of instruments it will be time well spent.

The only equipment necessary, that is not found in every office, is a small jewellers' anvil mounted in a weighted base. Such an anvil will be of great service in shell crown work and is well worth its purchase price.

Working the Steel.

The following points will be of interest. Steel must be worked at a cherry red heat. Excessive heat burns the metal, rendering it brittle, with a reduction of its cutting property. The smaller the body of metal the greater the danger of over heating. An attempt to work steel under a cherry red heat is liable to result in splitting at the end. It is better to use several heats and accomplish part of the operation at each heating than to attempt all at one time, where the metal has not mass enough to hold the heat required. The desired shape should be obtained before tempering is commenced, with perhaps the exception of a small amount of grinding necessary to sharpen the instrument. If it is desired to shape the steel with steel instruments, allow it to cool from a cherry red heat gradually.

Tempering the Steel.

One method of getting the desired hardness is to render the steel extremely hard and then withdraw the temper to the proper degree as shown by the color of the steel. It is obvious that nickel

plated steel will not give the desired color. Heat the part to be hardened to a cherry red color and plunge into cold water. Clean the surface bright with emery cloth. Lay the instrument on a sheet of iron or a couple of sheets of asbestos and apply over a flame. As heat is applied the color will change to a darker one. A little experience will soon tell the proper temper by the color. The following colors, taken in order, will be sufficient guide:

Color of Surface	Type of Instrument
Very pale straw yellow.....	Lancets, curettes, etc.
Darker straw color.....	Excavators, hoes, chisels, enamel cutting instruments.
Still darker straw color.....	Vulcanite scrapers and chisels.
Yellow, tinged with purple....	Pocket knives, plaster knives, etc.
Light or dark purple.....	Springs for various purposes.

NOTE

Last issue was famous for its mistakes in print, etc. It would simplify matters greatly if contributors would write a little larger and plainer, and **on one side of the paper only**. The staff hasn't time to re-copy any contributions and it is hard to find them all in the proof reading. We are sure the students will help us in this matter.

—Editor.

PITHY SAYINGS.

Time and tide wait for no man—but time always stands still for a woman of thirty.

As you sew so shall you also rip.

A Miss is as good as her smile.

A snore is an unfavorable report from headquarters.

Boys in thin pants should not throw snowballs.

Ties are to be seen not heard.

"It is the little things that tell," said the big sister as she pulled her little brother from under the sofa.

GEMS OF AUTHORS.

By A Member of 2T1.

Poise—

The star of the unconquered will
 He rises in my breast,
 Serene, and resolute, and still,
 And calm, and self-possess.—Longfellow.

Optimism—Give us, oh, give us, the man who sings at his work!
 He will do more in the same time—he will do it better—he will persevere longer. One is scarcely sensible of fatigue while he marches to music. The very stars are said to make harmony as they revolve in their spheres.—Carlyle.

Wisdom—Wisdom is the principal thing, therefore get wisdom; and with all thy getting, get understanding.—Proverbs.

Earnestness—I am in earnest. I will not equivocate; I will not excuse; I will not retreat a single inch; and I will be heard.
 —Garrison.

Realization—Stating the thing broadly, the human individual usually lives far within his limits; he possesses powers of various sorts which he habitually fails to use. He energizes below his maximum, and he behaves below his optimum.—Wm. James.

Patience—

Still achieving, still pursuing,
 Learn to labor and to wait.
 —Longfellow.

Deliberateness—Power can do by gentleness that which violence fails to accomplish; and calmness best enforces the imperial mandate.—Claudianus.

Faith—

I held it truth, with him who sings
 To one dear harp in diverse tones,
 That men may rise on stepping stones
 Of their dead selves to higher things.

—Tennyson.

Unselfishness—

Give unto me, made lowly wise,
 The spirit of self-sacrifice;
 The confidence of reason given;
 And in the light of truth Thy bondman let me live!

—Wordsworth.

Promptitude—Know the true value of time; snatch, seize and enjoy every moment of it. No idleness, no lazyness, no procrastinations; never put off till tomorrow what you can do to-day.

—Chesterfield.

Health—

Nor love, nor honor, wealth nor pow'r,
 Can give the heart a cheerful hour
 When health is lost. Be timely wise;
 With health all taste of pleasure flies.—Gay.

Silence—Silence is the element in which great things fashion themselves together; that at length they may emerge full-formed and majestic, into the daylight of life, which they are henceforth to rule.—Carlyle.

Sincerity—

You know I say
 Just what I think, and nothing more nor less,
 And when I pray, my heart is in my prayer.
 I cannot say one thing and mean another:
 If I can't pray, I will not make believe.—Longfellow.

Power—Give me a lever long enough and a prop strong enough and I can single handed move the world.—Archimedes.

Self-confidence—It is easy in the world to live after the world's opinion; it is easy in solitude to live after our own; but the great man is he who in the midst of the crowd keeps with perfect sweetness the serenity of solitude.—Emerson.

Concentration—I go at what I am about as if there were nothing else in the world for the time being. That's the secret of all hard-working men; but most of them can't carry it into their amusements—Charles Kingsley.

Love—

All thoughts, all passions, all delights,
 Whatever stirs this mortal frame,
 All are but ministers of Love,
 And feed his sacred flame.—Coleridge.

Temperance—The rule of not too much, by temperance taught, in what thou eat'st and drink'st.—Milton.

Sympathy—

Yet taught by time, my heart has learned to glow,
 For others good, and melts at others' wo.—Pope's Homer.

Geniality—

For it stirs the blood in an old man's heart;
 And makes his pulses fly,
 To catch the thrill of a happy voice
 And the light of a pleasant eye.—Willis.

Truth—

Truth crushed to earth shall rise again;
 The eternal years of God are hers;
 But error, wounded, writhes in pain,
 And dies amid her worshippers.—Bryant.

Speech—Speak not at all, in any wise, till you have somewhat to speak; care not for the reward of your speaking, but simply and with undivided mind for the truth of your speaking.—Carlyle.

Duty—

So nigh is grandeur to our dust
 So near is God to man.
 When Duty whispers low, Thou must,
 The youth replies, I can.—Emerson.

Purity—

To thine own self be true,
 And it must follow, as the night the day,
 Thou canst not then be false to any man.—Shakespeare

Definiteness—

Thy purpose firm is equal to the deed;
 Who does the best his circumstances allow
 Does well, acts nobly; angels could no more.—Young.

Integrity—

Integrity of life is fame's best friend,
 Which nobly, beyond death, shall crown the end.
 —John Webster.

Enthusiasm—The passions are the only orators that always persuade they are, as it were, a natural art, the rules of which are infallible; and the simplest man with passion is more persuasive than the most eloquent without.—La Rochefoucauld.

Justice—

Thrice is he arm'd that hath his quarrel just,
 And he but naked, tho' locked up in steel,
 Whose conscience with injustice is corrupted.
 —Shakespeare.

Imagination—

And as imagination bodies forth
 The forms of things unknown, the poet's pen
 Turns them to shape and gives to airy nothingness
 A local habitation and a name.—Shakespeare

Tact—Talent is power, tact is skill: talent is weight, tact is momentum; talent knows what to do, tact knows how to do it; talent will make him respected, talent is wealth, tact is ready money.

—Anonymous.

Personality—

Great Master, touch me with Thy skillful hand,
 Let not the music that is in me die;
 Great Sculptor, hew and polish me, nor let,
 Hidden and lost, Thy form within me lie.—Adapted.

Friendship—

The man that hails you Tom or Jack,
 And proves, by thumping on your back,
 His sense of your great merit,
 Is such a friend that one has need
 Be very much his friend indeed
 To pardon, or to bear it.

Courtesy—

“How sweet and gracious, even in common speech,
 Is that fine sense which men call Courtesy!
 Wholesome as air and genial as the light,
 Welcome in every clime as breath of flowers,
 It transmutes aliens into trusting friends,
 And gives its owner passport round the globe.”

Nobleness—“Be noble! and the nobleness that lies in other men, sleeping but never dead, will rise in majesty to meet thine own,”

Friendship—

If thou hast something, bring thy goods!
 A fair return be thine!
 If thou art something, bring thy soul
 And interchange with mine!

All one's life is a music if one touches the notes rightly and in time—but there must be no hurry.—Ruskin.

Sow an act and you reap a habit; sow a habit and you reap a character; sow a character and you reap a destiny.—Anon.

Let your courage be as keen, but, at the same time, as polished, as your sword.—Sheridan.

For they can conquer who believe they can.—Dryden.

A decent boldness ever meets with friends.—Homer.

Courage is the armed sentinel that guards liberty, innocence and right.—Anon.

Courage in danger is half the battle.—Plautus.

TO FRESHMEN

It has become an annual duty of the Editor-in-chief to direct the Freshman year in matters of dress. When we enter the R.C.D.S. we must remember that we are entering a profession not a trade or 'job,' and must dress accordingly.

The Freshmen seem to be very proud of their new Dental sweaters and wear them on every occasion possible. A mild winter like this does not call for any extra woollen goods and it would look far better if the Freshmen would stay with the clean, neat and simple white collar and tie, which appear far more professional and show far better taste on the part of the students.

Some of the 2T2 even seem to be proud of their Lab. coats. They are seen wandering about College street, not seeming to know or care what becomes of them (why should they in that garb). They also give the Infirmary visits in the above mentioned costume.

Some of the Freshmen, though so young, have a peculiar growth on their faces, which give them a dusky, unkept appearance. A few minutes' time along with hot water, soap and a sharp blade will make a wonderful improvement in the general appearance.

Come on, boys, let's see an improvement and we are sure that the public will not have an opportunity of criticizing the appearance of members of 2T2 again.

DEATH OF LATE COLONEL ROOSEVELT

May Have Been Caused by Infected Teeth.

One of the most striking features about the late Colonel Roosevelt was his teeth. When he smiled, he showed most of them. When he made a point in a speech he was accustomed to snap them together. They were large, white and even. Yet it now appears that Roosevelt's death was due to a diseased tooth. The direct cause of death was pulmonary embolism, that is to say, a clot of blood that was carried through an artery to the lungs, where it stopped circulation. The creation of this clot, however, was due to an infected tooth more than twenty years ago. Through the diseased tooth a malevolent organism entered the system and manifested itself in various ways on several occasions. Eventually it created a blood-clot which carried off the greatest of contemporary Americans when he appeared to be in his vigorous prime. This statement is made on the authority of Henry James Buxton, in the Philadelphia Public Ledger, who uses it as a text to call attention to the great importance that is now attached to healthy teeth by medical authorities.

Modern Dentistry.

Until quite modern times the general idea was that the only risk one ran with a bad tooth was the risk of toothache, and toothache was often treated as an unavoidable ill. When a tooth ached too badly it was yanked out. When several teeth had been lost in this manner the custom was to have the remaining ones extracted and their place taken by a set of store teeth, preferably of a pale blue tint. These teeth, in two sets, were removed at night and deposited in a glass of water, and more than once it has happened—but that is another story, and not any too pleasant. In late years dental science has made many discoveries about teeth. It has found, for instance, that in hardly any circumstances is it wise to extract a sound tooth. It has discovered the wisdom of filling the first teeth of children. It has performed miracles in the way of crown and bridge work, and now it is coming to the conclusion that the pride it took in much of this work was false pride, and that a crowned tooth is a danger, that toothache is the smallest of the ills that attend an

unsanitary state of the mouth, that the proper care of the teeth may be a matter of life and death, that indeed thousands of people die annually as a result of infections that enter the body through diseased teeth.

American and Canadian Teeth.

Rheumatism and infections of the heart, kidneys and intestines are often closely associated with the condition of the teeth. For example, it has been learned that these afflictions were most common in the Austrian and Italian armies in which dental science was least advanced. The writer claims that the American army went to the front with the best teeth of any army in the world, all filled and set as it were. This claim may be disputed. No army had any superiority over the Canadian army with respect to the health of the men's teeth. If the American soldiers were as well attended to, that must be the limit of their claim. It is not necessary to argue, of course, that in the United States and Canada there are the best dentists in the world, that the average teeth are better cared for than in any other civilized countries, and that the importance of sound teeth is understood by almost everybody, since the dental principles are taught in school. But even here, it appears, there is much to learn.

Dead Teeth Dangerous.

For instance, the famous Dr. C. H. Mayo, of Rochester, Minn., says that "a crowned tooth is not a crown of glory, and may cover a multitude of sins." The really dangerous tooth is the dead tooth, the tooth from which the nerve has been removed. It cannot ache nor form an abscess, but there is always the possibility of germs remaining in it and laying the foundation for some illness that may incapacitate or cause the death of the victim, and he has no reason at all to suspect the cause of the trouble. On this account some medical men and dentists are now advocating that every devitalized tooth should be removed from the head. Tonsillitis, earache, inflammation of the nasal cavities, deafness, eczema, rheumatism, blood poisoning are a few of the ills that modern science has traced to teeth that have never ached but that have harbored germs. One authority mentions a case of obstinate deafness in a middle-aged woman which was completely cured by extracting the roots of a couple of teeth.

Importance of X-Rays.

In discovering the cause of some mysterious maladies the X-ray

has been of great assistance. By its aid, Dr. Mayo says, the presence of alveolar absorbed roots of the teeth or absorbed bone without the teeth, have been detected when there was no other indication that there was anything amiss in the mouth. He points out that the one place in the body in which man quite regularly, if not invariably, carries bacteria, is the mouth. On this account there is no other part of the body whose constant attention is so important. Another doctor observes that the modern dental surgeon must look beyond the little problem of saving a patient's tooth to the greater question of saving him from a serious or perhaps fatal infection. Regular brushing of the teeth, and rinsing of the mouth with some mild antiseptic, inspection by a competent dentist once or twice a year, will go far to maintain the teeth in a good condition, but it will require an X-ray examination to determine whether a dead tooth that has given no trouble for years perhaps, should be permitted to remain in the jaw. The responsibilities of the dentist are increasing.

"RAUS MIT DER MOLARS."

If your patient has a back ache,
Or stomach-ache or headache,
And the cause of it you simply cannot find.
Take him down to the Tusk-monger—
Let his teeth remain no longer—
They're the source of most all trouble bear in mind.

The X-Ray plate has shown
What the ancients can't have known
That abscesses of the teeth are often found.
They're a focus of infection—
Have them pulled out for inspection—
And you may escape a planting in the ground.

For any painful spot or ill,
Or if you've got a little chill,
Run over to the dentist right away.
Don't delay too long in slumber—
Or St. Pete will get your number—
Pull your manglers out—it may keep death away.

For rheumatics and the gout,
All your teeth should be pulled out,
 Unless you want a free ride in a hearse.
For lumbago-like attack—
Or obscure pain in the back—
 There's no treatment that is better or much worse.

In rheumatoid arthritis,
Or persistent spondylitis,
 You say, "From whence for me doth this arise?"
It's your teeth as sure as blazes—
In a large percent of cases—
 If they're not extracted soon, the patient dies.

To tell by elimination,
What ails a sickly patient,
 To pull out all his teeth is just routine.
The dentist thinks he's cute—
When he finds a rotten root—
 And anyway its very good hygiene.

Though unknown the diagnosis,
As the burying ground of Moses,
 Don't wring your hands and cry out in despair.
Don't waste time in hesitation—
Or attempt an explanation—
 But have his teeth pulled in the dental chair.

To cure up an old condition,
That's been long on exhibition,
 When no one to it can ascribe a cause,
Just remove all the dentition—
Like they do a fortified position—
 And everyone will greet you with applause.

Never think of it being painful,
Or regard his looks disdainful,
 When you tell your patient what you're going to do.
Go ahead and yank his grinders—
Get everyone of these reminders—
 Of the satisfaction that it is to chew.

Never mind his mastication,
Just cut down his daily ration.
Including everything he needs to chew.
Then have his ivorys all ejected—
And he won't be so dejected—
If he hasn't all the pains his colleagues do.

THE FRESHMEN'S (ONLY) HOLIDAY.

It all started at one o'clock, Tuesday (14th) in lecture room No. 1. The Freshmen were seated, patiently waiting, and prepared to undergo the agony of a lecture. It was cruel to look out upon the irresistible sunshine and fresh air. Oh! the torturing, suffocating atmosphere of the lecture room. It was soon relieved, however, when one Fresh, seemingly wide awake, even under such conditions, with great effort shouted the ever welcome phrase, "How about a holiday." It was unanimous, even the "ettes" were exuberant. An uneven, but nevertheless, orderly line was formed outside the College. They were soon on their way rejoicing down College St. The route was taken down Teraulay. For once in its history Teraulay St. awoke. The sound of revelry brought to the scene many of our Hebrew friends who, no doubt, were of opinion that another war was in progress. During the Teraulay St. demonstration many articles whose proper place was on "terra firma" found their way into the air. Dr. Graham's fliver narrowly escaped joining the air squadron. Next stop was the "Hip." During the show some advocated silence, the majority were in favor of giving College yells, etc. A little speel by the manager failed to better matters, so this peace-abiding citizen secured the services of a brass-buttoned arm of the law. Another little speech by said cop was greatly appreciated as the "movie" was kind of dry, and a good speaker always takes well. However, nothing ensued and the Toronto Police Force had not the pleasure of being involved in the celebration as per custom. After visiting several musical departments the day ended in the usual "eats" and every man felt in better trim to meet the coming exams.

The Freshman's paradise these days seems to be at Mosher's.

OIL OF CLOVES.

If you break your leg or lose your wife,
—Oil of Cloves.

If the jury sentenced you for life,
—Oil of Cloves.

If the old grey mare goes lame,
Or if you win a hockey game,
Why! treat them all the same,
—Oil of Cloves.

When your head begins to whirl,
—Oil of Cloves.

When you call on your best girl,
—Oil of Cloves.

If a term exam. is hard,
Or an old suit you'd discard,
And for cooking don't use lard,
—Oil of Cloves.

If the vulcanizer busts,
—Oil of Cloves.

Or your engine starts to rust,
—Oil of Cloves.

If you're wearing out your shoes,
Or you're hitting hard the booze,
There's one remedy to use,
—Oil of Cloves.

By G.F., '20.

RUNNING NO RISKS.

Patient—"I'm 'avin' me tooth out to-morrow."

Drewbrook—"Goin' to 'ave gas?"

Patient—"I should think so. You don't get me sittin' in the dark wiv no dentist."—London Saturday Journal.

THE HYA YAKA

A JOURNAL PUBLISHED MONTHLY BY THE STUDENTS OF THE ROYAL
COLLEGE OF DENTAL SURGEONS OF ONTARIO.

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Vol. XVIII.

Toronto, February, 1919.

No. 2.

Editorials

THE MAN AND THE PROFESSION.

One can scarcely think of any one person without thinking of his or her work, habits, ways and appearance. People are too active, interestink and of far too great value to be thought of as mere beings.

Our parents watched our development both physically and mentally through our young lives and decided what our life work would be. In some cases they chose wisely while in others their decision was far from being suitable for the temperament of the grown-up to be.

In studying the lives of great men we find that very seldom did they enter upon their great life work right from the beginning of their career. Thomas A. Edison, one of the greatest inventors the world has ever known, started out in life as a newsboy on the G.T.R. running out of a city in Ontario, but by utilizing spare time and being of an inventive turn soon showed his talents along many new lines. Some of our professors started in life following trades such as blacksmithing, etc., and later chose dentistry. If we take any class in our college we will find young men who chose such work as office work, teaching, arts, commerce, farming, sheriff, etc., and who

finally chose dentistry as their profession, and we are sure these stepping stones will prove of great assistance to them in their chosen profession.

In any profession, personal appearance plays a great part. It is said that "clothes do not make the man," but general appearances make impressions which should be favorable before other great characteristics have a chance to manifest themselves. Every one has mannerisms and very often they are only a method of giving vent to feelings. Some people cast a shadow of gloom about themselves while others seem to be more pessimistic and see the brighter side of life and help others along the flowery way as well. Habits and mannerisms are very closely connected although there are habits which may be much more harmful than any mannerism could ever be. Habits are usually formed in early life and become very injurious to the general system, and are often the cause of making one's self more or less objectionable to the public. Such habits should not be persisted in especially during practice hours by professional men.

In following a profession a person needs full use of all his senses and limbs. The eyes, hands and feet are especially important, but the loss of any one of the senses is a great handicap.

Every one entering a profession strives to improve in every way possible, even though it may not directly affect his work. The College course has a tendency to improve a student in other ways than just academically. He becomes neater, broader minded from mingling and changing views with his classmates, the staff, and citizens. College life is meant to broaden the mind in all lines, and College Society and Sports are a great means to this end.

Dear Editor: I have just been issued my new woolens. I put them on last night and they tickled me so much I laughed all night and couldn't sleep. If I don't get more rest I will be unable to drill. What shall I do?—Bee V. Dee.

Worried Bee V. Dee: If the situation is desperate and you must escape from the woolens, sneak out some dark night with your rifle and hold up a moth. If he does not submit, immediately strike him on the head with the butt of your gun. Take your prisoner back and stow him into your woolens. After several days he will begin to starve and will start to eat the underwear. Let him eat.

AN ANSWER TO "IN FLANDERS' FIELDS."

Rest now in peace, ye Flanders' dead,
With each a cross to mark his bed
Where poppies grow.

The boastful Hun
Who thought by might of sword and gun,
To win the world, his quest has fled,
Ye noble dead,
The fight ye led is won,
And peace is round us shed.
We live and love because ye bled
"In Flanders' Fields."

Your cause has triumphed 'gainst the foe,
To us in vain ye did not throw
The torch;
With pride we hold it high,
And freedom's light shall never die,
Sleep then in peace,
Where poppies blow,
"In Flanders' Fields."

MARRIAGES.

JOHNSON—McCALLUM

At Carleton Place, Thursday, December 26th, 1918, Miss Edith M. McCallum, daughter of Mr. and Mrs. Nathan McCallum, was united in the holy bonds of matrimony to Sergt. Wallace M. Johnson, '19. During the completion of the College term the young couple are living at 66 Hambly Ave.

HALLIDAY—FERGUSON

At Renfrew, December 26th, 1918, Miss Ida Alvira Ferguson was united in marriage to Guy B. Halliday (Sophomore) of Athens, Ontario. Residence in Toronto, 356 Glenlake Ave.

Society

AT HOME.

On Friday, January 17, 1919, the students of the R.C.D.S. assembled and danced the "light fantastic" to excellent music furnished by Strathdee Orchestra. Dr. Babcock represented the Faculty and the patroness was Mrs. (Dr.) Babcock.

On Friday, January 31, the students of R.C.D.S. assembled in the beautifully decorated assembly hall, for the second Dental dance of this season. The music being furnished by Strathdee's Orchestra. The saxophone player and violinist danced with the merry couples, during the moon waltz with the lights on.

A new feature has been added to the Dental dances, the soloist of the orchestra, which is appreciated very much.

Dr. Babcock represented the Faculty and Mrs. (Dr.) Babcock was patroness.

SOPHOMORE SKATING PARTY.

On the evening of Wednesday, February 12, the Sophomore Class held a most successful Skating Party at Varsity Rink. The weather during the day was extremely mild and it was prophesied by many that something of the nature of aquatic sports would be more appropriate, but everyone was surprised and delighted with the exeraordinary firmness of the ice, some even falling lovingly on it to express their appreciation. Ten enjoyable bands were participated in, then the dignified Sophomores and their fair friends bamboled over to the Annie Laurie Tea Rooms, beautifully appointed parlors, where excellent refreshments were enjoyed to the utmost. Then followed speeches by Mr. W. B. Black and Mr. T. R. Marshall, and a reading by Mr. R. G. Agnew, after which tables and chairs were removed, the victrola struck up a lively tune and sounds of

music and dancing filled the air. For those who did not dance, card tables were arranged in an adjoining parlor.

About 12.45 the party broke up and everybody went the "long way" home exceedingly well pleased with the evening's entertainment. Great credit is due Mr. Marshall and his assistants for the skillful management of the affair.

MILITARY CROSS AWARDED TO LIEUT. BARBOUR.

Another member of the Royal College of Dental Surgeons in the person of Lieut. R. MacF. Barbour, of Class '17, won honors for himself on the field of battle and received the Military Cross.

When the advance was checked Lieut. Barbour went along the line organizing groups of his men in advanced shell holes and then reported the situation personally to headquarters.

Lieut. Barbour was an officer in the 25th Battalion and was well known among the students of D.C.D.S.

L' ENVOI

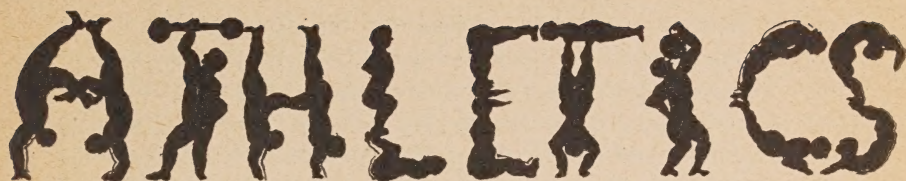
(With Apologies to Kipling).

When all of our work is finished, our instruments rusted and spread,
When the oldest appliance discarded, and the youngest demi is dead,
We shall rest and faith we shall need it, sleep in for an aeon or two,
With never a thought of lectures, or Miss Harron's "Patient for you."

And those that were good shall be happy, they shall work at a golden
chair,
And not do a root canal treatment, but everything on the square,
They shall find real masters to work with, Webster, Willmott, and
Fife,
They shall work for an age on each patient, and then say "This is
the life."

And only the Master shall blame us, and no one will ever get sore,
When the cheque from home comes in, and he has patients galore,
And each in his own manner, each in his own way,
Will do the chart as he sees it, and "'Tis passed" the Lord will say.

—A Non Emus.



LACROSSE.

Since the signing of the Armistice, University affairs are gradually coming back to normal, and as a result the Athletics Directorate have granted permission for a tour of the University Lacrosse team through the United States.

In the past the tour took in the most important cities as Philadelphia, Baltimore, New York, Boston, Washington, so that a great opportunity of visiting the universities is offered to any member making the team. As this is a major sport the Directorate grant First "Ts" and if any man is desirous of obtaining his colors this is an excellent opportunity.

The management has been in touch with the principal universities regarding games and a successful trip is assured.

Those members of the College who know anything about Lacrosse or wish to learn, or know of anyone in any other Faculty that plays, are requested to hand in their names so that the management may get a line on material.—Wendell Holmes, Manager.

DENTS VICTORIOUS IN SIFTON SEMI-FINALS.

Defeats F. O. E. in One-sided Game.

On Saturday afternoon at Central "Y" Dentials overwhelmed F.O.E. by the score of 47 to 4. This was the semi-final game in the Sifton Cup Basket Ball Series, and a large crowd was on hand to witness it. The fair "fanettes" from Faculty were much disappointed to see their team so completely outclassed and their yells lack the volume that they have heretofore shown. The "Boom-Rah-

Ree" of Dents was prominent throughout the game and the Dents faculty is one of the liveliest faculties in the University at the present time. The game itself was a veritable slaughter, Dents got the lead from the start and were never headed. Countryman was the best man on the floor and scored basket after basket. This player looks like a man of intercollegiate calibre, he has speed and weight and is a good shot. Holmes shot brilliantly and he is also a likely looking candidate for a "Varsity" team. He shoots from right under the basket and is a one-handed shot. He had an able partner in Chegwin. McLaurin and Poag checked hard and had the Faculty forwards hopelessly at sea. For Faculty, Dinsmore was best. He scored all the F.O.E. points and was the only one of the F.O.E. men to show anything like good form. Both teams shot poorly and although Dents scored forty-seven points they could have rolled up a much larger total had they wished. For a semi-final game it was too one-sided to be interesting, but it served as a good practice for Dents for their game against Junior Meds.

DENTS SCORE A WIN AGAINST SENIOR MEDS.

Score 23—11.

Before a well-filled house, Dents defeated Sr. Meds. quite easily in a Sifton Cup game on Monday night, thereby practically tying up the group. Despite the difference in the score, the game was fast, Meds. plainly showed lack of team play. Dents for the past two weeks have practiced at every opportunity and certainly showed the result of it; moreover, Dents had the advantage of weight and height.

For the first few minutes the teams were about even. The Med defence being able to hold the tooth-pullers in check. Dents, however, got their combination going and "Stew" Holmes put in a nice one. Countryman got away from Ramsay, the Med centre, and added another one. The Med defence seemed to be unable to hold the Dents forwards. The Meds were unable to keep their combination going. Palmer was too closely checked to do much effective shooting.

In the second half, Meds played a much better game. Ramsay

came to the front and did some fine work, but had hard luck around the baskets. Laing, who replaced Dickson in this half, worked hard for a shot but was unable to score. Rogers and Logan were without a doubt the hardest working men on the floor, but only in the last few minutes of the game were they able to stay the Dental tide. In these few minutes Meds had much the better of the play and Ramsay dropped in some nice ones.

For Meds, Ramsay was undoubtedly the best, scoring seven of their points and Palmer the other four. Holmes was the chief point getter for Dents, although Countryman was in a close second. Both Poag and McLaurin showed up to good advantage, the former scoring four points. Final score, 23-11.

Sr. Meds.—Rogers, Logan, W. Dickson, Holmes, Laing.

Dents.—Poag, McLaurin, Countryman, Holmes, Chegwin.

DENTS vs. ST. MIKES.

Loose Game Won by Dents, 26—14.

The R.C.D.S. five met St. Mikes for the second time at the central "Y." In the previous game the Dents smothered their opponents and as a result did not take this game seriously. This was almost their downfall for St. Mikes caught them off guard and scored two baskets before Dents knew the game was on. This had a demoralizing effect on the team and Dents showed very poor basketball, allowing their checks to run wild, while St. Mikes showed a little system to their attack. However, Dents settled down and by a clean four man combination ending in Countryman they scored four baskets in quick succession, thus gaining a one point lead. The first half ended Dents, 15, St. Mikes, 8.

St. Mikes objected to the referee and as a result Joe Teich was the official in the second half.

The second half was almost a repetition of the first. Dents were away off on their shooting, especially S. Holmes.

For Dents Countryman, Poag, S. Holmes and Chegwin were the

point getters. Countryman having nine baskets. McLaurin played his usual hard checking game at defence and offset many dangerous attacks. Le Bell was the best man for St. Mikes.

St. Mikes—Forwards, Le Bell, Benner; centre, Vakey; guards, Hagerty, Montague.

Dents—Forwards, Holmes, Chegwin; centre, Countryman; guards, McLaurin, Poag.

DENTS LOSE FINAL SIFTON CUP GAME.

On Monday afternoon, February 10th, the final game of the Basketball Series was staged. Meds and Dents were the opposing teams and the game was full of pep from start to finish. Over five hundred students crowded the galleries of the Y.M.C.A. gym to view the contest. Meds won and on their play deserved to win, but Dents never let up although the Med players benefited by the horse shoes they carried. Had Dents won the Sifton Cup the R.C.D.S. would have been the resting place of all four cups. However, as it is we have still something to strive for.

First Half.

Play was very even for the first five minutes although both teams missed chances to score. Finally Bell and Urquhart got going and netted several points for Meds. Holmes dropped in a couple of fowls for Dents. It soon became apparent that Meds were right on when it came to shooting and the Dents forwards were away off. Half time score stood Meds 22, Dents 4.

Second Half

Dents started the half by playing on the defensive, Poag and McLaurin having trouble checking their elusive checks. Play became rough and several fistic encounters were staged among players and spectators, resulting in all spectators being ordered off the gym floor by the officials. Meds by this time were dropping in baskets from all angles and the Dent supporters just had to grin and bear it. Dickson and McLaurin were banished for rough tactics and the game

ended with each team playing four men a side. Final score, Meds 52, Dents 11. Referee Coles had a hard game to handle but did so very creditably.

Jr. Meds—Forwards, Urquhart, Dickson; centre, Bell; guards, Graham and Logan.

Dents—Forwards, Holmes, Chegwin; centre, Countryman; guards, Poag, McLaurin.

SENIOR O. H. A. HOCKEY.

Dentals Defeat Tigers Before Packed House—Brown and Box Star.

Before the largest crowd that ever witnessed a hockey game in this city, the Dentals defeated the Hamilton Tigers by the score of 4 to 2 on February 15th. Although the game lacked some of the speed of the previous encounters between these two teams, the close checking and the evenness of the play kept the spectators on edge throughout. Dentals deserved their victory. They worked hard and had more of the play than did their opponents. The superiority of the Toronto defence decided the issue. "Bill" Box played the game of his life, his whirlwind rushes featuring, throughout the game which he used his weight to perfection and combined with heavy body-checking with a poke check that upset the Tigers' combination. "Stan." Brown was an able side partner for Box, and although he has shown greater effectiveness around the nets than he displayed on Saturday night, he proved his defensive ability and the way he took and gave bumps was a revelation to the fans. On the forward line "Rod" Smyllie was the star, he checked McCarthy into submission, worked perfectly in combination and appeared to be in perfect condition. Hudson has shown better form than he did Saturday but he had little chance to shine, so closely was he checked by Roach. The Hamilton defence failed to come up to expectations, the chief reason for this being that Reise's effectiveness was spoiled in the first five minutes of play when he received a heavy body-check from Box. Matte tried hard and has improved in his stickhandling, but he had no support from Reise and consequently was against great odds. Of the forwards, "Shorty" Green and Roach were the pick. Green played a wonderful game and demonstrated that as a daring

man he has no superior in Senior O.H.A. He is a great stick-handler and passes the puck at the proper moment.

The back-checking of Roach was a feature of the game and although the Dents' defence were out to "get" him. McCarthy shone in flashes but altogether it was his poorest exhibition of the season. In goal, Stewart had the edge on Reaume. The game was a rough one and many penalties were imposed. Box, Reise, and Matte displayed a tendency to hand out stiff body-checks and the first two named drew several penalties.

The Game.

The first period was very fast but no scoring resulted. Reise and Box mixed matters frequently during this period. Green and Roach were Hamilton's best. Dentals had the better of the play and Reaume was called upon to stop many hard shots. The shots on Stewart were all from the outside the defence. Brown and Box repeatedly carried the puck from end to end only to be skated into corners by the Hamilton defence.

The first goal of the game came after six minutes of play in the second period, when Hudson secured the puck and drove a hard, high shot at Reaume. The puck bulged the net and Dentals' supporters cheered themselves hoarse. Hamilton pressed hard for the rest of the period, Roach and Matte working their heads off to even up the score, but Charlie Stewart saved every shot and cleared quickly.

The third period had hardly started when McCaffery took a perfect pass from Box and beat Reaume from close in. It was a pretty piece of combination. Four minutes later, Matte carried the puck from end to end, went in behind his opponents' goal and coming out on the other side poked the puck between Stewart's skates for Tigers' first goal. Green repeated in ten seconds when he took a pass from Roach inside the defence. With the score tied both teams fought hard for victory but it was not until seven minutes had elapsed that Hudson beat Reaume with an easy shot from outside the defence. It was a lucky goal, the Hamilton goalie apparently being unable to see the puck. Dents were all over Tigers now and in three minutes Brown took a pass from Rennie and found the net for the last goal of the evening. Final score, Dents 4, Hamilton 2.

Dents—Goal, Stewart; defence, Brown, Box; centre, Hudson; wings, Smyllie, McCaffrey; subs., Rennie, Smith.

Hamilton—Goal, Reaume; defence, Matte, Reise; centre, Roach; wings, Green, McCarthy; subs., Cooper, Duncan.

Referee, Vair; Judge of play, Hewitson.

JENNINGS' CUP SERIES.

Mild weather has made it impossible for the series to be played at Varsity rink and now the Arena Gardens are to be the scene of interfaculty hockey. Dents are out to win and as every game is sudden death no chances are to be taken. We expect a goodly number of rooters at each game. Among the players trying for positions are Dales, Dobbs, W. Holmes, Bartholomew, Winn, Smith, Babcock, Calbeck, Douglas, G. Murray, and Countryman. A new outfit of sweaters have been provided and the boys at practice appear to be a classy bunch. Mgr. Al. Hord is one of the busiest men around the College, and Hya Yaka anxiously awaits the first game.

The Athletic Directorate are considering the re-instatement of Junior O.H.A. players. Douglas, '21, who played for Woodstock Juniors last year may be able to play.

Steps are being taken to elect Varsity's Athletic Directorate for next year.

We congratulate the present directorate and wish them all success in the new movement. At a previous meeting of the Athletic Directorate, Dr. Seccombe, who was representing Dental athletics, pointed out a method of selecting a Directorate which would give each faculty a fair representation. Although the suggestion was not accepted at that time we are glad to see it has been finally adopted.

IN INFIRMARY.

Ferguson, '19—"Performing prophylaxis."

Sproule, '22, "Gee, this is a dusty job."

Locals

Who was the Senior who attended a Saturday morning lecture, decked in a pullover sweater, seen in the afternoon, seeming to enjoy life and on the Sabbath, sporting a cane and—not recognizing any of his friends.—Great reward.

Miss East, who is assistant to the Seniors in the infirmary, is back at the College after a slight attack of bronchitis.

Would some one interested in aseptic operations please give us the names of the students “trying to do” operative dentistry in a tight corner on the fourth floor. He was a mean “Kerr” to try and “Bell” a Soph that way.

Suggestions—We have a committee in the College executive known as the Joint Committee, which is made up of two members of the Faculty and two representatives of the student body. Would it not be in place to have a committee to report on the condition of the College equipment? On the infirmary floor there are several repairs necessary. The lighting system is very inadequate, especially on such dark days as there has been at times this winter. Some of the chairs will not stay up and a few of the head rests are not intact. Some of the taps for saliva ejectors are missing and usually there are not enough suitable chairs for senior students wishing to do operative work.

Some of the executives have been mentioned as not looking after business, but they are all falling into line. A committee is looking after an Honor Roll for the College and the R.D.S. promises us a “Rare Treat” in a R.D.S. meeting in the course of a few days.

The centrifugal machines have the happy faculty of being conspicuous by their absence, or else being out of working order, but a few of the boys have been good enough to resurrect their “motors of boyhood days” and we “carry on.”

The demonstrators have been few in number during the last few weeks, but now that conventions, etc., are over we will be back to old form again.

Occasionally Juniors are seen wandering about the Infirmary in a forlorn manner. The Seniors welcome them and are very sorry that chairs are such a luxury for "The reapers are few and the harvest is great."

The members of the Staff who attended the Dental Convention during the two weeks in January at Atlanta, Georgia, were Drs. Webster, Seccombe, Willmott, Mason, Thornton, Krueger, and Ante.

Hya Yaka extends its sincerest sympathy to Mr. H. A. Freitag, of the Sophomore Class, who suffered the loss of two brothers and two sisters during the recent lamentable epidemic of influenza.

Who is the Junior who is becoming so popular that his lady friends wait for him at the College entrance?

Mr. "Tom" Jones, our congenial caretaker, was indisposed for a few days, but we are glad to see him around again.

Notice to Seniors—If out of matches see "Pus" Gardener, he carries them in his pyorrhea pockets.

Our Assistant Sporting Editor "Dusty" Miller is back at the College again after an attack of the "flu." Since he was successful in his battle with the "flu" he has decided to fight at the "Somme," being a regular attendant.

Did you notice the medal that "Pete" Snider is wearing? This is one of his numerous decorations won at the battle of the Somme.

We are pleased to welcome Miss Coutie to the College as another member on the office staff. We believe she will relieve Miss Durkee of some of her arduous duties.

The sudden change in the weather on February 3 is accounted for in the fact that Blondin, '19, was again without a patient.

Alston, '19, has again resumed his studies at the D.C.D.S., after a severe attack of pneumonia.

Nurse Sparks, who has been away for a few days on account of the sickness of her sister is back on duty at the R.C.D.S. again.

ME UND MY FRESHMEN.

It was towards the end of the session on a misty night that strange figures with masks on their faces were seen gathering around the ash pile at the rear of the R.C.D.S. to hold a meeting. It was the Freshmen. When a goodly number had assembled the president took a lofty seat and thus began, "My Freshmen, we are in danger; the Sophs and Juniors would do us harm; just of late some in our midst have been put under the icy tap, and who knows the hour that I myself may be snatched off and put through the same horrible agony." (Sosophy around the corner) "Enough said, Percy."

"Aye, aye," said one, "our president has spoken well."

"It is true," said another, "who knows?"

"What shall we do" said the president. "Here's my idea. Let us catch the Sophs some dark night and and tie a bell on each one and then we can always hear them coming."

"Hurrah! hurrah!" they all cried, "Our president has spoken well."

But one who was more thoughtful than the others said, "You are all talking 'Bell the Sophs,' but who will volunteer to do it."

There was silence for at least 2 minutes and just then a stray tom cat who had prowled around the building in search of a stratified squamous epithelium let a most unearthly yowl out of him.

The president leaped over the furnace room into the alley and the frightened Freshmen made for parts unknown. Few there were at the Histology lecture next morning.

CORRECT THE HABIT.

Vernon Fiske, D.D.S.

A certain dentist was consulted by the parents of a two and a half year old child because her upper front teeth were considerably protruded. Upon inquiry, the dentist found that the child was still using the pacifier. He immediately advised the parents to see that its use was discontinued, and recommended that the irregularity of the teeth be corrected. The parents had failed to perceive that this undesirable habit was responsible for the condition of the child's teeth. Further, there are many more who do not realize to what extent the teeth are influenced by habits. The most prevalent habit is mouth-breathing. On account of adenoids or other obstructions in the nose or throat, the child cannot breathe properly and is forced to obtain air through the mouth. When this occurs the normal muscular pressure of the closed lips is lost, and the front teeth shift forward. Thumb-sucking is another improper habit which often develops after the bottle or pacifier has been used. If this habit is persisted in, the upper teeth cannot erupt far enough, and a large opening is left between the upper and lower teeth in front, even when the jaws are closed. This and nail-biting, another common habit may be corrected by placing oil of Quassia underneath the finger nail. Again, certain habits of the lips, such as drawing the corners of the lips inwards, cause narrowing and crowding of the teeth in front. Pressure on the front teeth by the tongue causes spaces to occur between the teeth. If the tongue is abnormally large, and the pressure is directed against the lower teeth, the whole lower jaw will move forward resulting in the "bull-dog" appearance of the mandible. Human nature is prone to become the victim of habit; habit soon becomes second nature. Therefore, to prevent mal-relations of the teeth, correct these bad habits early.

"I vant some powder."

"Mennen's?"

"No! vimmen's."

"Do you want it scented?"

"No. I vill take it mit me!"

OBITUARY.

JOHN N. ROBERTSON, B.A.

It is with deepest regret that we have to report the death of our mutual friend, John N. Robertson, B.A., who met death in a most unfortunate manner during the Xmas vacation. On completing his Arts course in the University he entered the R.C.D.S. with Class '17. During the second year of his dental course he enlisted and went overseas where he served in Canadian Army Dental Corps. On his return to Canada he continued his course in dentistry and was on the eve of his graduation when the grim reaper knocked and he was denied the goal of his ambition. Mr. Robertson was a man of sterling character and a true friend to all who knew him. The students of the R.C.D.S. extend their heartfelt sympathy to the Robertson family who still reside at the home, 294 Avenue Road.

AN ALIBI.

A colored captain was up for general court martial. He had been given orders to advance his company to a certain spot and then dig in. In the excitement of the charge his company advanced so far they got out of touch with the remaining companies. The evidence was as follows:

Question: You were ordered to advance your company one mile and then dig in, were you not?

Answer: Yes, Colonel. I means General.

Then why did you disobey orders?

Good Lawd, Colonel, I means General, I didn't disobey orders. De hull German army wus in front of my boys, and if they couldn't stop 'em, what could one pore colored Captain do?

Roberts, '21—"Do you know that every man that enters a Toronto street car is a D.S.O.

Hyde, '21—"How do you make that out."

Roberts—"He 'Doesn't Sit Often.'"

HAMILTON'S IDEA OF THE FLU.

The Tickled—

Toronto Storekeepers.
School kids.
School marms.
Mail order houses.
Jitney bus owners.
Those who did the Xmas S. E.
Cities that get our business.
Those who don't use street cars.
Those who eat at home.
Those who have had it.
Old Man Gloom.
Those who'd rather sleep than pray on Sunday.
Drummers who don't stop off here.

FRESHETTES.

Freshette, dear, you look so small,
Don't you think you missed your Call?
I know this question is uncouth,
But really Could you pull a tooth?
Do you think it would be wise
To tackle men ten times your size?
How would you reach 'way up there,
Have a ladder to your chair?
Freshette, dear, you look so small,
The ladder'd slip and then you'd fall.

Freshette, dear, you look so young,
Honest should you be among
All these fellows small and great
Just to learn to make a plate?
How will you anesthetise?
Use your cunning little eyes?

How could you extract, my dear,
 Attack the big man from the rear!
 Or would you climb upon the rung?
 Freshette, dear, you look so young.

Freshette, dear, it isn't nice
 For me to give you this advice,
 But tell me now what will you do
 When naughty fellows flirt with you?
 Supposing they should pull your curl,
 Would your head get in a whirl?
 Would you slap him in the face,
 Or kick him good some other place?
 Freshette, dear, here's my advice—
 Just put the bad man in your vice.

Freshette, dear, could you extract
 Molars that were quite impact?
 Could you learn to diagnose
 And tell them when their mouths to close!
 What would you do, my dear, alas,
 Should they not come from under gas?
 Wouldn't it worry you a bit
 To get your burx stuck in a pit?
 Freshette, dear, now don't be sore,
 For I am going to ask no more.

—C. B. Wilson, '21.

SONG OF THE PULP.

"With fingers weary and stiff,
 With patience worthy of Job,
 A dentist stood at a twisted slant
 Plying his bristle and probe.
 Unheeding the patient's gasp,
 Or saliva-absorbing gulp,
 He gripped the mirror with firmer grasp
 As he sang this 'Song of the Pulp.'

"Probe, probe, probe,
 Till I'm feeling ready to swoon;
 Probe, probe, probe,
 And collapse in my own spittoon;
 Oh it's a weary work to search
 For a root-canal orifice small,
 Perhaps to find at the end of my grind
 That I've punctured the distal wall.

"With reamer, bristle and probe
 I pursue the elusive nerve
 And try to approach with my finest broach
 The end of that beastly curve.
 Drill and reamer and broach,
 Broach, reamer and drill,
 Far wiser it were that I should swear
 That the tooth is too bad to fill."

Mr. Walter Rose, L. D. S.

THE SOPHOMORE'S ROSARY.

The hours I spend with thee old top
 Are as the hours of jail to me,
 I think them over every one apart,
 Anatomy. Anatomy.

Each gland a vein, each vein a nerve,
 And some where there an artery,
 We follow up each muscle to its end
 And there a bone is found;

Oh memories will stay with me
 Until this fleeting life is o'er;
 We study hard and try at last to learn
 To meet the Quizz,
 Sweet Quizz,
 To meet the Quizz.

—C. B. W.

DEFINITIONS.

Accident—A condition in which presence of mind is good, and absence of body is better.

Adversity—A bottomless lake of circumstances, surrounded by near-sighted friends.

Automobile—From the English "ought to" and the Latin "moveo"—meaning a thing "ought to" move.

Accounts—Please call again.

Air (Hot)—Wait until December 21.

Bagpipes—A foreign term for agony.

Berth—A sleeping method invented by Pullman.

Broke—A financial deficiency.

Buttons—Small events that are always coming off.

Conscience—An obsolete term.

Coal—Money to burn.

Dates—The Fruit of history.

Electrician—One engaged in a shocking business.

Egotist—One who persists in talking about himself when you want to talk about yourself.

Fly-Screen—An invention for keeping flies in the house.

Gun Powder—A substance much employed in marking the boundary line of nations.

Hoot-mon—Scotch National Anthem.

Ivory Teeth—To keep Freshie from becoming too happy in the big city.

FUN

OVERHEARD IN A SOUTHERN CAMP.

A couple of darkies in the American army were discussing the relative merits of the different branches of the service, and the following is part of the dialogue:

Look yere Sam, yo'all made a mistake when yo done selected the infantry. Yo'all got flat feet and kain't possibly hike your twenty miles a day. Now what yo'all had oughter done was get into thet airyplane branch.

Hump, nigger, yo sure are crazy. What yo'all think I am. Yo know right well I could neber become a pilot—an' s'pose I was made observer an' I go one mo'ning with a white pilot, an' we gets five thousand feet up in the air an' he stalls his ingine, just s'ppose thet—then he turns to me an' says, "Nigger, get out an' crank." Hump!

HERE'S A SOLUTION OF THE LABOR PROBLEM.

Being short of office help and knowing that the dental trade expect prompt replies, we inserted an "ad" which we thought would bring replies: It did.—

WANTED—First-class, high-grade stenographer; salary no object; this stenographer must get it as fast as I can dictate, and get it right; must be absolutely accurate; must have human intelligence; if you are not a cracker-jack, don't bother us.

Here is the answer that made us hunt cover:

"I note your requirements as aired in the newspaper, and hasten

to make inquiry as to the strenuous business that takes such an extraordinary stenographer. Your advertisement appeals to me strongly.

"When it comes to this chin-music proposition, I have never found a man, woman or dictaphone who could get to first base with me.

"I write shorthand so fast that I have a specially prepared pencil with a platinum point and a water-cooling equipment.

"I run with my cutout open at all speeds and am, in fact, a guaranteed double copper riveted, seamless, hand-buffed, hydraulically welded, drop-forged, and oil-tempered specimen of human lightning on a 45-frame ground to one-thousandth of an inch. At hot air juggling you have nothing on me.

"Spare your time and money unless you want to pay at least \$7 per week in cash or in its equivalent."

TAPPED.

Where do we go from here boys?
 Where do we go from here?
 The crowd was surging toward the door,
 With **Virtue** in the air;
 One sturdy man from Winnipeg,
 Was in the foremost line,
 Bearing the brunt of the swinging arms,
 Of the victim of the crime.
 It doesn't pay to get too gay,
 Within the Freshman ranks;
 So, take warning young chap,
 For you'll always be tapped,
 If you try to play such pranks.

TRANSFERRED.

He told the shy maid of his love, but color left her cheeks
 But on the shoulder of his coat, it showed for several weeks.

A SHAKESPEARIAN ROMANCE.

The lovers?—Romeo and Juliet.

Nature of their courtship—A Midsummer Night's Dream.

Her answer to his proposal—As You Like It.

Romeo bought the ring from—A Merchant of Venice.

What time of the month were they married—The Twelfth Night.

The ushers—Two Gentlemen of Verona.

Who gave the reception—Merry Wives of Windsor.

Best man and maid of honor—Anthony and Cleopatra.

They lived in a—Hamlet.

What caused their first quarrel—Much Ado About Nothing.

Her disposition was like—The Tempest.

When quarreling they gave each other—Measure for Measure.

Their courtship proved to be—Love's Labor Lost.

Their home resembled—A Comedy of Errors.

What their friends say—All's Well That Ends Well.

John Nott could not knit, so he invented a knitter which would knit, and which Nott called the "Nott Knitter." But the "Nott Knitter" could not knit a knot, and Nott therefore had to ty the knots which the "Nott Knitter" could not knit. But one day Nott while not tying knots for the "Nott Knitter" invented an attachment for the "Nott Knitter" which could knit knots and which he called the "Nott Knotter." And when the "Nott Knotter" was attached to the "Nott Knitter" the "Nott Knotter" would knit the knots which the "Nott Knitter" could not knit. And not a knitter could knit knots like the knots that Nott knit with the "Nott Knotter" for the "Nott Knitter."

Then Nott fell in love with a knitter who knitted knots with the "Nott Knotter" for the "Nott Knitter," and he asked her to not knit knots any longer, but be little Nott forever. But the knitter said "Nitt!"

The mountaineer's razor-backs were running loose and feeding on such fattening forage as grass and green apples. "Why don't you pen them up and fatten them quick with corn?" asked the summer boarder. "It takes so much time to get them ready for market so long as they run wild." "Hell!" snorted the mountaineer, "What's time to a hog?"

Although Miller's ('20) illness necessitated his using a cane on Sunday, he has recuperated sufficiently to return to College (Monday) without it.

Johnston, '21—"When does a fellow sleep five in a bed?"
Howson, '21—"When he sleeps with his forefathers."

J. Stewart, '19—"Did you hear the story of the dirty collar?"
O'Leary, '19—"No, I didn't."
Stewart—"That's one on you."

Some of the Seniors have been informed that they didn't get 100% on the question on the term exam. on fractures.

O'Leary, '19, in Vic. Cafe sneezing—A lady passing him. "Who iss she! Who iss she!"
Winn, '20—"I don't know."
Hayes, '19—"Don't ask me."

The electric button doesn't do any work till its pushed. Don't be a button.

Note—The majority of the Dental are Buttons, as far as Hya Yaka is concerned.

Macdonald, '22, made a few utterances and seemed to be choking. He must have been trying to pronounce Ktrak Shiavux Naoroji's name.

Our assistant sporting editor is appearing a real sport these days. Where is the cane going with "Dusty?"

"Not to cite tactless comparisons," drawled the salesman with the striped shirt, "but I can't help observing that there are more people pushing my line than any other on earth."

"What is your wonderful line?" inquired the skeptic.

"Perambulators."

Take all men who have failed since creation; take all the causes of their failure; and though there be ten or ten millions, not one of them is proof of your failure. Every man is master of his own destiny.

Prof. Lancaster—"Under what combination is gold most quickly released?"

Soules, '22 (brightly)—"Marriage, Sir."

Brand—"Say, Tyson, when you get all doubled up to lace your boots you look like a pair of scissors."

Tyson—"Gee! that's a cutting remark."

Dickson, at lunch—"Looks like rain."

Lapp, pouring out milk—"Always does."

GENIUS MISGUIDED.

(From the New York Tribune.)

A man of an inventive turn
 Designed for women's skirt a lining,
 The figure one could not discern,
 However bright the sun was shining.
 It didn't seem to sell somehow;
 He drew no plum, unlike Jack Horner.
 His wife is in the poorhouse now—
 He's selling pencils on the corner.

Another time and fortune spent
 (And oh the weary months of waiting!)
 On a contraption to prevent
 The female bust from oscillating.
 He looked for a tremendous run,
 And planned a widespread distribution.
 He didn't sell a blooming one,
 And died in awful destitution.

McLaurin, '19—"Look, O'Leary! I weigh three pounds more than you do."

O'Leary, '19—Aw, you're cheatin'! You've got your hands in your pockets."

The evangelist was entreating his hearers to flee from the wrath to come.

"I warn you," he said, "There will be weeping and wailing and gnashing of teeth."

At this point an old lady in the gallery stood up.

'Sir," she interrupted, "I have no teeth."

"Madam," said the evangelist sternly; "Teeth will be provided."

Dr. Robinson—"Why are the muscles in my head smaller than those in my arm?"

Snell, '21—"Because you don't use them so much."

Two very pretty girls met on the street and kissed each other very rapturously. Two young men watched the meeting. "There's another of those things that are so unfair," said one.

"What is that?" said his friend.

He pointed to the scene. "Women doing men's work."

We hear that quite a romance is springing up between C. Rowsome, '21, and Irene, that pretty waitress down at Child's.

Suggestion for a yell for '22:

Freshies, Freshies, one and all,
Soothing syrup when we bawl;
Freshies, Freshies, green as grass,
We're the Dental Baby Class.

We wonder who the young lady is who takes up a position in front of Grace Hospital about 4 p.m., waiting for a Junior to come 'Gallop' out of the Dental College?

During a lecture on proteids, fats, carbohydrates—"Can anyone tell me the three foods required to keep the body in health?"

Miss Barker, '21—"Yer breakfast, yer dinner, and yer supper."

Miss McAllister—"Love, a senior, and his car."

The Juniors are anxiously awaiting Dr. Webster's return as the "would-be" Dean seems to be getting in Dutch with the fellows. Even Dr. Pye sits up and takes notice.

Slogan: "Read the Hya Yaka."

There is a young fellow named Spence,
 Who creates excitement intense,
 He goes out at eight,
 Returning quite late (2 a.m.)
 And the good time he has is immense.

Surely after Major Cummer's lectures and clinics the Juniors
 will become notorious 'eye openers.'

You ask me why, tho' ill at ease,
 Does Martha sit on Davidson's knees?
 —Shakespeare.

Mr. Lancaster—"What are the elements?"
 Freshie—"Earth, air and fire-water."

Martha had a little lamb, and now it is no more,
 For what it thought was H-2 O, was H-2 S O-4.

Our janitor we pity him, as all good people must,
 For every morn the good old man again returns to dust.

HARRY'S PRECAUTION

Harry: Grandpa, have you any teeth left now?
 Grandpa: No, my lad, poor grandpa's teeth are all gone.
 Harry: Right; then you can mind my nuts.

Overheard at College dance:

Freshman to partner—"Do you care for Grand Opera?"

WANTED—A modern method of learning Histology. Apply,
Freshman Lab.

Burrell, '22—For Sale—I am sacrificing my large and costly assortment of loud ties, all colors, and prices, 6c to 39c. No description needed—they speak for themselves. Come early and avoid the rush.

Perdue, '20, to Lapp, '20, standing in front of him in clinic—"Down in front! Down in front!"

Lapp, '20—"No such a thing. It's a moustache."

Teacher (in spelling class)—"Spell 'Removable.' "

Chegwin, '19—"R-e-m-o-v-e-a-b-l-e."

Bebbee, '19—"R-e-m-o-v-a-b-l-e."

Teacher—"Artie, you'll have to spend more time on your spelling."

NOTICE.

Will the the lad who snitched a lock on me return same and avoid complications.—'19.

The composer of this notice found his lost jewel in his own locker—no further complications necessary.

SOMEBODY PLEASE SET THIS TO MUSIC.

The butter-fly has wings of Gold,

The fire-fly, wings of Flame,

The poor little flee

Has no wings at all—

But it gets there just the same!

HELPFUL HINTS.

An ordinary spring washer placed on each flask bolt between two flat washers will assist in bringing the two halves of the flask together where there is an excess of rubber.

In remelting over used wax, make a shallow pan of bright tin by turning up one quarter of an inch along each edge of a piece eight to ten inches square, soldering the corner joints with soft solder. To prevent the molten wax from sticking to the tin, amalgamate the surface of the tin with a little mercury. The wax will not stick to the amalgam. When the wax is set, chill in cold water and remove.

To prevent inlay wax from adhering to the walls of the cavity, swab the cavity with a mixture of equal parts of castor oil and glycerine, and wipe as dry as possible with a dry pledget of cotton.

A useful instrument in the form of a ligature cutter to use when removing the rubber dam may be made from a broken excavator shank, by heating it and bending it to form a hook about five millimeters in diameter. Flatten the hook in a plane parallel to the handle of the instrument and file a cutting edge on the inner side of the hook. Then retemper the cutting end of the instrument. In use the hook is inserted beneath the ligature from the gingival side and drawn outward.

Another separating medium—Dissolve parafin in gasoline. Another—Use a good grade of automobile cylinder oil over a thin coat of shellac.

Hya Yaka is grateful to a member of Junior Year for the above "Hints." Come again!

Advertisers You Should Patronize

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Barristers, Etc.—E. A. Harris, C. P. R. Building.

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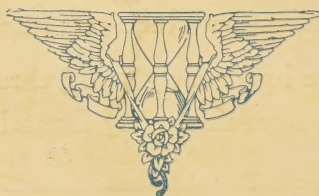
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HYA YAKA

April, 1919



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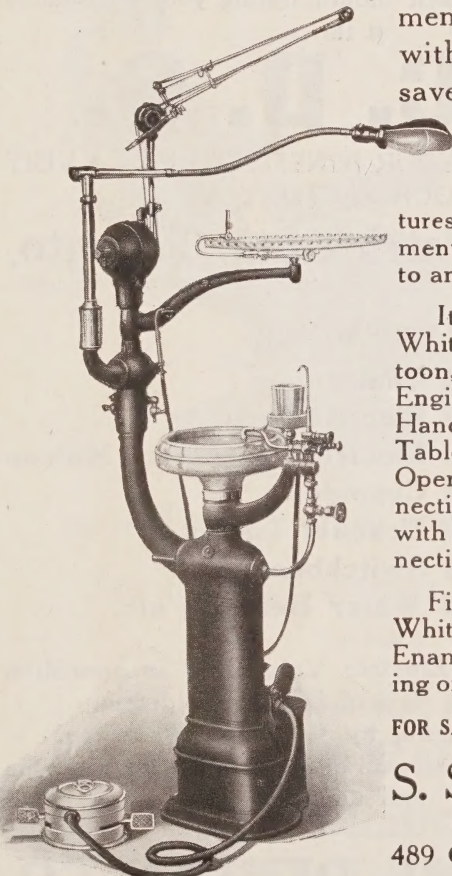
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EDGAR D. COOLIDGE, D.D.S.,
Chicago.

THE HYA YAKA

Vol. XVIII.

Toronto, April, 1919

No. 4

Root Canal Filling and Health.

(Read before the Toronto Dental Society, Monday, 24th Feb., 1919.)

By EDGAR D. COOLIDGE, D.D.S.

The maintenance of health and comfort of the patient who seeks the services of the dentist must be considered as the most important part of our obligation to the public in the practice of dentistry of to-day. The restoration of lost or diseased dental organs, and the construction of suitable mechanical appliances for mastication, has not lost any of its demands upon our ability or ingenuity. but another responsibility of greater proportions has come to us in the discovery of the intimate relations between the dental organs and the other organs of the body. Teeth that seem perfectly comfortable and useful to the patient may be the centres of infection from which such far-reaching disturbances may arise that the patient may not only be incapacitated for work, but may even be brought face to face with death as a result of these teeth remaining in position. One could hardly have lived the past five years without being convinced of this fact by the many articles printed concerning the seriousness of mouth infections, and especially those found at the end of the roots of teeth in the periapical region. Most of these foci infection start about the apices of imperfectly filled roots. It is a very significant fact that only a small per cent. of root canals filled to the apical foramen show absorption of the periapical tissue, and only a small per cent. of those canals which are small and fairly well filled show these absorptions. We must keep in mind when examining radiographs of root canal fillings inserted prior to the last year or two that much less care in sterilization of instruments and materials and less accuracy in methods of operating was carried out in the routine of the operations for canal filling at that time than accompanies the same operations of to-day, which would

increase the chances of failure in the fillings of the past. Dr. A. D. Black examined a series of 1,500 radiographed canal fillings and classified them as good and poor fillings in large and small canals (*Journal of A.M.A.*, Oct., 1918). The good fillings in large and small canals show only 10 per cent. of abscesses while the poor ones showed 65 per cent. of abscesses. It is encouraging to note how few canals with good fillings show present absorptions in the periapical region, and how much larger is the percentage of absorptions about those with poor fillings. If the canal fillings should all be good ones inserted with strict surgical cleanliness, a very large amount of the future trouble would be eliminated, and the danger to general health arising from focal infections in the periapical region of pulpless teeth would be very small.

The extremist recommends the extraction of all pulpless teeth, and looks with doubt and criticism upon the operator who attempts to cure by treatment, or even removes pulps from teeth for any purpose. The other extremist refuses to recognize any danger from teeth which show no clinical evidence of disturbance or discomfort to the patient. Somewhere between these two widely separated viewpoints lies the opportunity for rendering the best service to mankind. However, when considering these absorptions it should always be kept in mind that mechanical forces in abnormal masticatory stress may cause a movement and loss of destiny in the alveolar process, and that there may always be an irregular distribution or arrangement of the Haversian canals running through the alveolar bone, which show dark areas upon the radiograph film, and should these happen to fall near the apex of a root would be confusing in the diagnosis. The physician or the dentist or the patient may easily confuse such evidence with areas which are pathologic, and thereby cause the extraction of an innocent tooth. The physician as a rule is ready to co-operate with the dentist when the case concerns both professions, and by this means the best results can be obtained. The treatment of the teeth is the duty of the dentist and the dentist should perfect himself to such an extent that the medical profession will not question his judgment concerning the condition of the teeth, but depend upon him for assistance in consultation where the teeth are involved.

There has been much neglect and indifference to root canal operations in past years, and even to-day there is evidence of a shirking of

responsibility in this work. It is better to discover all disturbances and pathologic conditions in the mouth of one's patient who has received one's services for years than to have some other practitioner discover such things. We must face the situation squarely and learn to make a proper diagnosis of these conditions, and extract such teeth as cannot be safely retained, and by proper treatment correct such conditions as can be corrected, and lastly and most important of all, see to it that the fillings that we place in root canals to-day, for which we are responsible, are as near perfect as it is humanly possible to make them, and every operation should be carried out with surgical cleanliness.

The public is awakened to the seriousness of this problem, and is not ready to go toothless, nor be burdened with any unnecessary mechanical substitutes for serviceable teeth which should be saved. The opportunity before us to-day is one of unusual interest and responsibility. If the operator constantly keeps before him the vision of perfection in root canal operations, and carries out in every detail a faithful pursuance of cleanliness and accuracy in each step of the work, the future will reveal a very different condition than we find to-day as a result of canal root operations. This cannot be accomplished at a financial loss to the operator. The service must be rendered to produce the result which the patient expects, and is entitled to, and by proper reconstruction or adjustment of the business methods employed in one's practice the service can be rendered with both satisfaction to the patient and recompense to the dentist.

The subject of root canal operations has become so broad that one paper cannot cover but a small portion of the field, so that it becomes necessary to choose between such phases of the work as the relation of root canals to health; the problem of sterilization; the technic of the operations; pulp removal; the medication of root canals; filling root canals; records and subsequent examination. Each phase of the work is full of interest and so fascinating to the operator that he can thoroughly enjoy every step if a proper attitude is back of the effort put forth to accomplish the result.

Equipment and Sterilization.

The first consideration should be of the equipment suitable for this work and the care of this equipment that it might be in proper condition for use at all times. Every detail should be efficient but practical,

or else its use would become burdensome without sufficient benefit to justify the continuance of it. The sterilizer most suited to the need in this work, which must be done in practically every dental office, is one that is simple in construction but efficient and not beyond the reach of any one in cost. Many years ago Dr. Callahan recommended the Wilmot-Castle steam chest and dry air sterilizer for this purpose, and one of that type answers the purpose to-day equally well as at that time. By this means cotton dressings, root canal points, absorbent points and other materials, may be thoroughly sterilized in every office at a minimum expenditure of time and cost. All metal instruments should be used and sterilized by boiling. One of the most important things in the equipment is a suitable cabinet in which to keep the root canal equipment as a unit away from the other instruments. A suitable cabinet about 15 inches square can be found with metal removable trays, which are about the proper size to be placed upon the operating table and carry every instrument and all the material for the operation so that one may keep the trays in readiness at all times for operating and simply remove a tray when needed and place it upon the operating table complete and ready for use. The tray should contain sterilized cotton, absorbent points, gutta percha points, and all graded sizes of broaches from XXX (triple X), fine to the large sizes in smooth and barbed broaches, files and special broaches and root canal pluggers of every size needed. One cannot afford to be without any one of the sizes or styles of broaches, nor any instrument which can make it possible to work more efficiently. Another indispensable article is a suitable container to carry solutions in which to dip the broaches while operating to maintain asepsis. The S. S. White Dental Mfg Co. have such a tray called the S. S. White Medicament Tray, which serves both the purpose of carrying solutions for sterilization and furnishing ample room for drugs for medication also. With a complete equipment for operating in root canals kept by itself as a unit, sterilized and ready for use, one has the preparation, and to a certain extent has created within one's self the mental attitude necessary for good results.

Pulp Removal.

Assuming that pulp removal is necessary under certain conditions it should be kept in mind that the preservation of the health of the periapical tissue is the all important problem. We have reported to

us by many operators that the canals carrying good root canal fillings show only a very small per cent. of absorption in the periapical region, and some of these areas may have been caused by some form of irritation other than infection. When undertaking pulp removal one must face the responsibility of preserving the health of the tissue about the root end when operating should protect it from mechanical injury or injury by septic material forced through the foramen or by drugs.

In removing a vital pulp the safe methods of anesthesia either by infiltration, conductive or pressure direct upon the pulp, should be employed rather than the more dangerous methods by means of caustics, which are more or less unlimited in the extent of their action upon the tissue, and might penetrate through the apical foramen into the tissue beyond. The same thought should be carried out in the use of drugs in any part of the treatment of root canals. The careless use of such drugs as arsenic, phenol, sodium and potassium, formo-cresol and sulphuric acid have no doubt been the cause of some absorbed areas in the periapical tissue.

The thorough removal of all organic matter from the root canal is essential to the success of root canal filling. This may be accomplished by mechanical and chemical means. Aside from the removal of all organic material is the equally important object, namely: to enlarge the canal sufficiently to enable the sealing of the apical foramen with gutta percha, or in other words to gain access to the apical foramen to make it possible to pass instruments close enough to make the filling of the canal as certain as the filling of a cavity in the crown of the tooth with gold foil.

Technic of Operation in the Treatment and Filling of Root Canals.

1. Placing of root canal operating tray all sterilized and containing all instruments and materials to be used in operation upon pulp.
2. Filling of medicament tray with drugs to be used—phenol, alcohol, tincture of iodine, essential oil, physiologic salt solution, etc. etc.
3. Painting gum about area with tincture of iodine, adjusting rubber dam and washing exposed teeth with tincture of iodine.

4. Gaining access to direct line with opening of canals in pulp chamber.

5. (x) With xxx (triple x) fine pathfinder smooth broach ascertain approximate length of each canal and bend broach to indicate length.

(x) Every time a broach is to be inserted into a canal it is first bathed in phenol and then alcohol in the medicament tray.

6. Remove pulp from canals large enough to accomodate barbed broaches at once. Size of broach xxx (triple x), fine or larger when possible.

7. Pass 30 per cent. sulphuric acid into very small canals with pathfinder broach following approximate measurement from (step No. 5)—neutralize with sodium carbonate solution.

8. Use Kerr file xx (double x) fine, up and down motion, to enlarge canal until smallest barbed broach can enter to remove pulp and debris.

9. Use graded sizes Kerr files consecutively, followed by barbed broaches to remove debris, always using the up and down motion.

10. Continue curettement until No. 1 Kerr root canal plugger will pass within two millimeters of foramen.

11. Insert wires for measure flush with occlusal surface, seal with gutta percha and radiograph.

12. Remove measurement wires, wash canal with physiologic saline solution followed with alcohol.

13. Determine approximate size of foramen with canal pluggers and absorbent points.

14. Cut sterile gutta percha cones into two and three millimeter lengths.

15. Moisten canal with eucalyptol followed with one drop of chlora percha.

16. Select cut piece of gutta percha cone of proper length and diameter determined by measurement in step Nos. 11 and 13; attach to end of plugger No. 1 Kerr by slightly heating plugger.
17. Pass plugger carrying cut cone of gutta percha into canal, following measurement and pack thoroughly.
18. Continue packing piece by piece of gutta percha cone softened by heat until canal is full.
19. Radiograph.
20. Fill in record card and file away.

Infected Root Canals.

The problems involved in the treatment of infested root canals are more complicated than of those which are not infected. Sterilization of the tooth in position has been pronounced impossible, however, by the use of antiseptics and mild disinfectants which are not injurious to the periapical tissue accompanied by thorough mechanical curettment of the canal in the process of preparing it for the filling make it possible to obtain a condition that is considered satisfactory, except by the extremist who advocates the "no pulpless teeth" theory. These infected canals where the periapical tissue is healthy can be handled in a very satisfactory way by means of such drugs as tincture of iodine, dichloramine T and beechwood creosote. Before filling root canals which were infected it is advisable to be sure there remains no evidence of bacteria. The canal should be washed with alcohol followed with sterile water and then a dry absorbent canal point inserted without any drug whatsoever and sealed very carefully. This should remain forty-eight hours and then be removed with extreme care to avoid contamination, placed in a culture tube and incubated. If there is no growth of bacteria the canal may be considered ready to fill.

The Root Canal Filling.

The successful filling of root canals depends largely upon the exercise of patience and persistence in preparing the canal properly before the attempt to fill. The canal must be thoroughly filled with a dense material which will not shrink nor absorb moisture nor be sol-

uble in the tissue fluids. It also should not irritate the periapical tissue, for it is human impossibility to completely fill every root canal without slightly overfilling some. The most desirable filling simply fills the canal without excess, and this should be the ideal for us to follow. By careful measurement and accuracy of technic and the absolute control of the material used more uniform results can be obtained than by the use of methods which do not consider the length of the canal, the size of the foramen nor the amount of the material used. The indiscriminate use of thin solutions in filling the canal is unnecessary and undesirable. It only adds uncertainty to the operation and often causes severe pericementitis subsequent to the filling of the canal. Good results are very gratifying to both patient and operator, and the radiograph shows a pretty accurate record of what has been accomplished. If the filling does not appear at the foramen it should be removed and refilled. Gutta percha is opaque to the X-ray, and if present in sufficient density to mechanically fill the canal will show as far as it extends. It is not safe to assume that there is any filling in the canal beyond that shown in the radiograph.

Records.

In closing I wish to make a plea for more complete records of pulp conditions on presentation, and the keeping of more accurate and detailed records of every operation and treatment, including the method used in pulp removal, the drug used at each sitting, the method of sealing the tooth, the material used in filling the canal, and the operator's statement as to whether the filling is good or fair. It is also necessary to follow up many of these operations by subsequent radiographic examination over a period of years to show the condition of the periapical tissue to prove the future outcome of the work we are doing to-day. If this is faithfully carried on by many operators, instead of the expression of opinions regarding these vital problems as we are to-day, it will be possible after a period of years to make statements that are founded upon actual facts.

Vote of Thanks.

Drs. F. C. Husband and C. H. Clarkson moved and seconded a vote of thanks to Dr. Coolidge, which was sincerely and enthusiastically supported by every member present.

A New Version.

Mary had a little lamb—
 'Twas Persian—on her coat;
She also had a mink or two
 About her dainty throat.

A bird of paradise, a tern,
 And ermine made the hat
That perched at jaunty angle
 On her coiffure, largely "rat."

Her tiny boots were sable topped,
 Her gloves were muskrat, too.
Her muff had heads and tails of half
 The "critters" in the Zoo.

And when she walked abroad, I ween,
 She feared no wintry wind;
At keeping warm, 'twas plain to see
 She had all nature "skinned."
 (A New Version every issue.)

DENTAL EDUCATIONAL SOCIETY.

On Thursday April 3, 1919, several of the city practitioners gathered at the R.C.D.S. to attend an educational meeting. The Clinics were on "The Inlay Shell Crown," and Dr. Coolidge's method of filling root canals.

The Junior and Senior students who took part were Messrs. Shannon, '19, Hoag, '19, Gardiner, '19, Hotham, '19, Bebee, '19, Blondin, '19, Ross, '20, and Taylor '20.

The six steps shown in the preparation and making of the Inlay Shell Crown were:

1. Preparation,
2. Impression and Model,
3. Sweating the Band,

4. Waxing and Carving,
5. Investing and Casting,
6. Trimming and Finishing.

The Clinics an root canals were:

1. Preparation,
2. Filling and materials used.

It is a new idea for the Junior and Senior students to demonstrate in Clinics of this kind but it has met with approval and is a splendid training for those who take part.

DENTAL NEEDS IN CHINA.

Chas. W. Service, B.A., M.D., addressed the Cabinet of R.C.D.S. on Saturday, March 22, on the dental situation in China. Dr. Service has been on active service in China for sixteen years, and not until 1904 were there any dentists in China. That year Dr. Lindsay went as dental missionary; four years later Dr. Thomson joined him, and in 1917 Dr. Mullett (member of 1918 Summer Class) joined them.

The medical and dental situation is a serious one, as shown by sketches from an original communication from Dr. Service.

The health of a nation is one of its greatest assets. The medical and dental professions are an integral part of the life of all civilized lands. The members of these two professions are recognized by all citizens as holding an honored and indispensable place in the national life. But uncivilized and non-Christian lands are not thus blessed.

China's millions are needy millions. From whatever point of view one views China, the word **needy** stands out prominently. This is emphatically true from the physical standpoint. One cannot over-emphasize the tragic side of the situation. Here, certainly, is a situation crying aloud for succour. During these years of war

nothing has stirred us so deeply as the thought of the great sum of human suffering in Europe. We have read of the countless cases of infected wounds, blindness, etc., and we have been stirred to the deepest sympathy; we have poured out our millions for Red Cross work, etc., and have sent our doctors and nurses without stint to Europe.

But suffering does not end with the war zone. The Chinese have been sufferers for milleniums. Almost every ill that human flesh is heir to may be found in China in aggravated form.

"Tragic as is the medical situation, the dental situation is manifoldly worse. Western dentists in China are very few indeed when compared with Western doctors. In all of Western and North-Western China, embracing over 100,000,000 people, there are only three Western dentists. In all China, with her 400,000,000 people, the Western dentists can be numbered on the fingers of both hands.

"All members of both the medical and the dental professions know how essential to health is a healthy condition of the mouth. During recent years great stress is being laid on that point. Hence, wonderful progress has been made in dental science in the use of the X-ray, in the treatment of pyorrhea.

"Now every doctor who has practised medicine knows that there is not a healthy Chinese mouth in that great land. He sees thousands of them every year. How could there possibly be a healthy oral condition in any one individual in China? The teeth require care both from the individual himself and from a dental surgeon. Fortunately, as one result of long contact with foreigners, many Chinese are beginning to use tooth powders and the tooth brush. This is certainly some improvement and holds out promise for the future. The Chinese are willing to learn.

"In the far distant part of China, known as West China, are now three dentists, one of whom, Dr. H. J. Mullett, is a recent arrival and is still engaged in the study of the Chinese language in preparation for future work. Drs. A. W. Lindsay and J. E. Thompson are the only two engaged in actual practice in that immense region of China. These three men are all graduates of the Toronto Dental College, and are, no doubt, well known to

hundreds of dental surgeons now practising in Canada. You may rest assured that they are the 'right men in the right place.' If ever men worked hard, they do; if ever men had boundless opportunities, they have; if ever men had a great vision, they have; if ever men had a magnificent task, they have. They all feel overwhelmed with the situation, and feel as we medical practitioners do, that the only solution of their problem lies in the line of dental education for thousands of Chinese young men. They therefore propose (and we medical men heartily second the proposal) the establishment of a Dental Faculty in connection with the medical college which is already a department of the West China Union University. It is hoped that their confreres in Canada will take a keen, definite and a practical interest in the establishment and development of this much-needed institution. Such provision for dental education in West China will be an invaluable piece of constructive work for that great land. It will furnish an opportunity to provide leadership for a much needed profession in China—a leadership, trained under Christian auspices and inspired by high ethical ideals."

A suggestion was made by the Cabinet that the Dental students, assisted by the profession, equip a dental operating room in the University at Chengtu. A large part of this might be contributed by different wholesale firms.

THEY HAVEN'T COME BACK YET.

Auntie's silk umbrella,
Sister's magazine,
Brother's horn and tire pump,
Chains and gasoline,
Uncle's set of Kipling,
Father's fifty bones,
Mother's Sunday tablecloth
And culinary loans—
Things the neighbours borrowed
With the best intent,
In this solemn season,
All are keeping lent!

THE HYA YAKA

A JOURNAL PUBLISHED MONTHLY BY THE STUDENTS OF THE ROYAL
COLLEGE OF DENTAL SURGEONS OF ONTARIO.

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Vol. XVIII.

Toronto, April, 1919

No. 4

Editorials

HANDICAPS ON ATTENTION.

To comply with numerous requests for suggestions helpful in the development of attention power, I would first of all summarize the commoner, but often unsuspected, handicaps on attention.

Many people who now find it difficult to keep their attention fixed on their studies, their work and other matters of importance could greatly increase their ability in this respect by giving more heed to the hygienic requirement of fresh air.

Not only do they fail to take enough outdoor exercise—and one of the chief benefits of outdoor exercise is the fresh air it affords to the lungs—but they get by no means as much fresh air as they should when indoors.

They sleep in rooms with the windows shut, or open only an inch or so. They keep their working-places over heated and under-ventilated. They take their meals and their amusements in quarters to which fresh air is almost a total stranger.

Consequently their brains are kept in a chronic state of mind poisoning with resultant bad effects on their attention power. Poisoned brains mean minds that tend to fatigue quickly when any demand is made on them.

For this reason overeating is another handicap on attention, and a common one. Overeating means indigestion, congestion, and constipation, and these mean a loading of the body with poisonous substances that affect detrimentally the nutrition of the brain.

And, because the brain has to be properly nourished if it is to serve efficiently the needs of the mind, undereating should be added to any list of handicaps on attention. Many people would be better able to pay attention if they ate more and better food than they ordinarily do.

Because they are poorly nourished they are in a chronic state of fatigue. This weakens their attention ability in common with all other faculties of their minds.

Fatigue from any cause is a handicap on attention. Those who habitually overwork or overplay and undersleep need not be surprised if they find a waning of their power to pay attention to important matters.

Ill-health in general or special defects, such as eyestrain that cause nervous stress, must also be mentioned among the common handicaps on attention. Often what the man or woman weak in attention power most needs is a medical examination, followed by corrective action to overcome the weakness discovered.

But the commonest of all handicaps remains to be mentioned. It is not physical but mental. It is lack of interest in the things to which one is expected to pay attention.

When interest is present in sufficient degree, the physical handicaps on attention count for comparatively little. Under the spur of interest attention may remain strong even in persons afflicted with serious ill-health.

When, however, interest is absent, perfect conditions of physique and hygiene will not suffice to maintain attention power. The mind will wander to other things of less significance perhaps, but regarded as more interesting.

To this important subject of the development of attention I will return another day.

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TOOTH BRUSHES.

Tooth brushes are a necessary evil. They are septic adjuncts to cleanliness. They help undoubtedly to keep the teeth microscopically clean, but they liberally tattoo the gums with organisms.

It is a vast mistake to think that natives use sticks and fibres to prevent their teeth decaying; they do not and could not. They use such things to make themselves look beautiful, to keep their teeth (what can be seen of them) white and glistening, and invariably produce a suppurative gingivitis from the dirty manner in which the stick is used.

The critical point which has to be remembered is this, that the common starting point of caries—the area immediately below the “contact point” of the teeth—and the fissures on the crowns are quite inaccessible to any native’s stick and to the majority of tooth-brushes. Teeth remain sound in spite of, not because of, the tooth-brush.

Finally, in all considerations of this question, it has to be always remembered that as each molecule of nascent lactic acid is formed in the mouth it **must** be neutralized by something. If this is not done, as it can be most readily, by the dissolved alkaline salts in the saliva then it will be accomplished by the lime salts of the teeth. One thing is absolutely certain, the molecules of lactic acid will not conveniently wait about in the mouth until next morning when the latter is deluged with an overwhelming amount of some alkaline depressant.

ADDRESS TO A TOOTHACHE.

When fevers burn or ague freezes,
Rheumatics gnaw or cholic squeezes,
Our neighbors’ sympathy may ease us
 With pitying groan,
But thee, thou hell of all diseases,
 Aye, mocks our groan.

ENGLAND'S GREAT DEMAND FOR DENTAL SURGEONS.

Twenty-six Thousand Are Needed for Adequate Care of Nation's Oral Health.

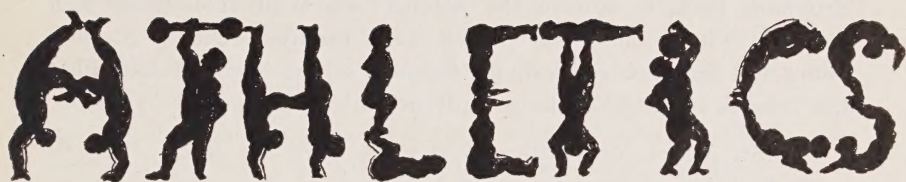
England is at last investigating her great dental problem. A committee, appointed by the Lord President of the Privy Council, has already discovered that if the needs of the population are supplied adequately, 26,000 dentists are necessary in the United Kingdom, whereas at present there are only 5,300 names on the dentists' register. The number of dentists necessary is derived by the finding that one hour of dental attention per year is necessary for each inhabitant, if the nation's teeth are to be kept to a healthy standard.

The shortage in dentists is not difficult to explain. The period of training required before registry, which is now four years, and the expense attending training, which is almost as great as that for a medical diploma, have closed the profession of dentistry to many persons.

Little hope is entertained of simplifying the course sufficiently to shorten it. It is also true that other professions offer higher rewards to those who can afford a schooling of such length and expense. It is also unfortunately true that the social status of the profession in Britain is none too high in public estimation. These considerations serve to keep many men out of the ranks of the dentists. How to remove these disadvantages is an open question.

The need for the institution of dental reforms is shown by the appalling degree to which easily recognized pathological conditions of the teeth have been found to exist in Great Britain. The cause, in various ways, an enormous loss to the nation.

God made the earth and rested;
God made freshmen and rested;
God made freshettes—and since then
Neither God nor man has rested.



DENTS WIN JENNINGS CUP.

The Dental hockey team were successful in bringing the Jennings Cup to the R.C.D.S. for the season of 1918-1919 by defeating St. Mikes in the final game.

The game opened with the puck chasing from end to end, neither team getting the upper hand. The St. Mikes are fast skaters, but poor stick handlers and checks, and the steady Dent team soon gained the upper hand. Winn, Smith and Colbeck, on a nice combination, carried to St. Mikes' goal, and Winn, on a pass from Smith, scored the Dents' first goal. Colbeck went off for slugging, and St. Mikes kept Louie busy, but he was "there." Dales replaced Colbec, and Dents took a new lease of life, and bombarded St. Mikes' goal. Winn's shots were like bullets, but they were unable to score and the period ended Dents 1, St. Mikes 0.

Dents scored first in the second. Holmes rushed single handed from end to end and Dales scored on the rebound from Holmes' shot. This ended the scoring and the period ended Dents 2, St. Mikes 0.

The third period started fast and furious. Holmes broke his skate and was replaced by Bartholomew, who was penalized for cross-checking, and St. Mikes got several shots on Dental goal, but they proved, as before, to be poor shots. Both teams resorted to one-man rushes, and the game ended Dents 2, St. Mikes 0.

The Dent team showed great improvement over their previous games. Manager Bill Box, of the Senior team, gave the boys a few pointers before going on the ice, and the results of his words were shown in the way the team played. The defence played out better and kept to their positions, giving Staples a chance. The

forwards played better combination, and did not get confused in dropping back to relieve the defence when either defence men rushed. The whole team played fast, brainy hockey. Staples, Winn and Smith were, perhaps, the pick of the team. Louie filled the nets as if they had been built in with a stone wall.

For St. Mikes Mulvihill and O'Mara were the best
"Ruby" Milan proved a good referee.

Line Up.

Dents (2)—Goal, Staples; Defence, Holmes, Countryman; Forwards, Smith, Dales, Winn; Substitutes, Colbeck, Bartholomew.

St. Mikes (0)—Goal, Ryan; Defence, Fraser, O'Brien; Forwards, Lowry, Mulvihill, O'Mara; Substitutes, Manley, Hodgins.

Referee, Milan.

BOXING AND WRESTLING.

The Inter-Faculty Assault-at-Arms was held on March 27 and 28 and the many keen competitions created lively interest. O.A.C. was successful in carrying off the honors. Dents won the 145 lb. wrestling match, the honor going to L. R. Dodds. The following men represented the Dentals:

Boxing—115 lbs., M. J. Hogan; 125 lbs., L. M. Coughlin; 135 lbs., S. Simon.

Wrestling—145 lbs., L. R. Dodds; 158 lbs., Steele.

DENTS 5, F.O.E. 3.

Dents earned the right to compete against St. Mikes in the hockey finals by defeating Faculty of Education.

The game was played at the Arena Gardens and, owing to lack of practice and condition, the players found the big ice sheet very tiring. At the beginning of the game Dents were away below form and F.O.E. succeeded in tying the score. The players tried hard to score and many times missed the net by inches. F.O.E. seemed to jump into the fray, and at times bewildered their opponents, who were relying solely on their speed and individual efforts.

After a talk by the manager during intermission, the players stepped onto the ice determined to gain the lead, but the period ended with the score 3—3.

During the last period Dents struck their stride. They outscored the Teachers 2—0. Every man, from the goal tender out, tightened up. Smith and Winn cut loose and showed the fans some real speed. Holmes and Bartholomew steadied down and broke up many a dangerous rush.

Countryman was unable to play, owing to a slight attack of quinsy.

Line-up—Staples, Bartholomew, Holmes, Dales, Smith, Winn. Subs., Dobbs, Colbeck.

MIDNIGHT OIL.

The midnight oil of days gone by
Was used by men in college,—
In poring over volumes dry—
Assimilating knowledge.

But midnight oil has changed its mode
Of making students fret:
It's burned in Drewbrook's car
When courting our Sophette.

—PERDUE, 2TO.

Locals.

A. R. Poag, '19, was successful in winning a first T on account of his playing basketball with the team running up into the finals, and also for past records in basketball.

Mr. Dodds, '20, was also successful in winning a first T in the boxing tournament.

Four second T's come to the Dental College for a stay as a result of the boxing contests.

It would appear that one of the Juniors has an idiosyncrasy for cocaine, for, while getting dental treatment in Infirmary, he throws a faint that would do justice to a demure little maid as soon as the subject (cocaine) is broached.

The vital questions these days, in the Senior year: "How about your History Chart?" and "How many gold foils have you in?"

On Thursday, April 3, 1919, Mr. and Mrs. Harold Johnston, '19, celebrated the first anniversary of their wedding and entertained some of their friends at dinner at the Carls-Rite. The Hya Yaka wishes Mr. and Mrs. Johnston many happy returns of the day.

W. M. Seymour, '20, has been absent from College for some time owing to tonsillitis and an operation for the removal of the guilty members.

SPRINGTIME.

Ellen—"Romance is dead."

Ferguson, 1T9 (reproachfully)—"Oh Ellen, not while Romeo lives!"

THE PRODIGAL DENT.

Now, a certain Sophomore, Whyte by name, did sleep in every morning until noonday, whereas his brethren betook themselves to the tabernacle that they might hear the lectures and do their work. And it came to pass that several of his brethren said one to another, "This man does himself wrong: yea, at the examinations he will be cast asunder. It is our bounden duty to lead him into the paths of industriousness."

And so it was on a cold bitter morning that they gathered themselves together and betook themselves to his abode at the break of day. And they did climb up the three flights of stairs to his chamber, and while he was yet sleeping they withdrew his garments and cast him into the icy bathtub; and great was the splash thereof.

Verily the fall did awaken him, and he rose with great anger and pursued his enemies even unto the street, and he saw that he was not dressed; whereon he returned, and put on his clothes; but even unto this day he sleeps, but not alone—he has an alarm clock.

Oh listen, listen, ladies gay, no tales of battle do we teach,
But when it comes to hanging bluffs, we hang the dog to Junior
Beach, '20.

The auto swayed from side to side—a funny steering gear,
Or else his eyes weren't on the road, ah this is it we fear.

Enough said, two cars made a bunt—a full house and "the" pair.
The full house made for Junior Beach, but he yelled "As you were!"

"In civies you can strike a man or do most anything,
But you dare not lay a hand on a soldier of the king."

It worked, but all who read herein does it not make you feel
That the safest place for eyes and hands is on the steering wheel.

Pte. R. C. McLaughlin, '20, says he doesn't find the work at the
Base Hospital very strenuous, but he objects to the number of shoes
and Sam Browne's he has to polish.

Mr. Lancaster—"Now, gentlemen, in taking up proteins, think of
the cow. We eat the cow and the cow's brother." (Interruption.)
Armstrong, '21—"Oh bull."

By the way, have you ever noticed that a black cow will have a
red calf that will eat green grass, grow up and give white milk that
will make yellow butter?

What gives more milk than a cow? A milk wagon.

Did you ever see a cross-eyed woman sending her bow-legged
man home straight?

Dinniwell, '21—Our hands have clasped,
Our lips not met,
But oh, you kid,
I'll get you yet.
Beware of "them" schoolmarms, Dinny.

Here's to the light that lies in woman's eyes and lies and lies and
lies.—Brown, '22.

IN THE CHEMISTRY LABORATORY.

The residue of the Sophomore Class has been percipitated into the Chemistry Laboratory, and it is funny to us, who have received our spurs, so to speak (this last class will need more spurring), to watch the imitation chemists for their first few sessions.

The first day was spent in general exploration and searching for the elusive test-tube, as usual. I have it on good authority that they broke all records in their search. They will break a lot more stuff yet, of course, before they are through. It was rumored that some of the more careful ones checked in two lists of apparatus so as to make sure that they would have enough. The Macs jumped for joy when they saw flasks down on the list, but their hopes fell when they didn't turn out to be the kind of flasks they had in mind. The array of bottles dazzled the eyes for a while, but we may say that although they are all full, there is really nothing much in them.

A poet has supplied me with the following few lines that may speak for themselves:

"A find! here is a keg,
Run, boys; shake a leg."
Sckett flies up with a flask,
Only to find it is a cache
Of distilled water.

"Ah here! What's in this cupboard?
Whisky or Gin there is none,
But absolute alcohol there is some."
Now, gentlemen, if you are done

We will take up—

So that put an end to the explanation for that day.

We would respectfully suggest, however, that all alcohol be denatured and that distilled water be kept in less suggestive containers in the future.

—C. A. E.



FUN

Saunders, '19, after being called several times, arose (8 a.m.).

Lomey, '19—"Why is it, Saundy, you're showing such enthusiasm these days?"

Saunders—"It's becoming a habit with me."

Lomey—"Darn these bad habits!"

? Who is the Junior who puts on a rubber dam and then uses a water syringe to clean out the cavity?

Slim, '19, is getting very Handy these nights.

Doryan, '19—"Call for McGowan."

McGowan, '19—"What size?"

We came out of the trenches one bitterly cold night, and were billeted in a barn, where we were packed like sardines in a tin. Though numb with cold, we were soon asleep. I was awakened in the night by one of our chaps trying to put his boots on. After he had been trying for a minute or two, I heard the fellow next him say:

"What the dickens are you doing?"

"Putting my boots on," was the reply.

"Well, that's my foot, you idiot!"

Dietrich (to Braund, who is coming along at a tremendous pace)
—"Training for a walk?"

Lee—"No! I'm walking for a train."

"I want you to understand that I got my money by hard work."

"Why, I thought it was left you by your uncle."

"So it was; but I had hard work getting it away from the lawyers."

Braund—"Say, but you are small, Mac."

Macdonald—"That's all right; it's the little things in life that count, Braundie."

Holmes, '20—"I'm going to get a divorce. My wife hasn't spoken to me for six months."

McBride, '20—"Better be careful. You'll never get another wife like that."

Wilson, '20—"I met Bregman, '20, over there in the bank."

Walroth, '20—"Buying Victory Bonds, I s'pose."

Wilson—"Naw, he's just filling his fountain pen."

2T0.

It required eleven men to hold "Courville," 2T0, after the raw decision was handed out at the recent inter-Faculty boxing and wrestling tournament.

Since Model, 2T0, proved his pugilistic abilities by his appearance and efforts at the boxing and wrestling tournament. He has had no difficulty in getting back his instruments and equipment which disappeared so mysteriously during the early part of the term.

Who is the dark-haired Junior that went up to the Freshie lab. to sell tickets for the 2T0 Dance, but spent most of his time along the north end of the room?

The Third Year Dance was a decided success, due undoubtedly to the fact that the Freshies were not as conspicuous as at 2T2 Dance.

Walker, '20, has been learning some interesting things about the physiological action and therapeutic effect of turpentine on dumb animals. For further information refer to Burkley's "Materia Medica," page 110 (in the new book).

The student body in general has shown great interest in the 2T0 "race" against a Braundy Freshman for the "James" trophy.

Remarked in Hall after posting of examination results:
Bregman, 2T0—"Aren't that tough! Moss fell on his anatomy again."

Rubenstein, '20, finds it extremely comfortable sleeping in the north-east corner of Lecture Room II. during Dr. Webster's lectures. He wishes to be allowed to remain undisturbed during lectures hereafter.

Walker, '20, spent the week-end visiting his parents at Grimsby. He reports a very pleasant holiday, spending Saturday afternoon and Sunday morning wheeling and spreading decomposed organic matter on his father's garden.

What will the little girl on Bellevue avenue do now, since Clark, '20, has been engaged in demobilization duty at Exhibition Camp? R. C. McLaughlin, '20, suggests that Blakeley double up.

PRACTICAL HINTS.

Sterilizing Fluid for Small Instruments—A very good sterilizing fluid for small instruments can be prepared by adding to a 10 per cent. solution of formaldehyd as much borax as will dissolve. The borax prevents any action of the formaldehyd on the instruments themselves, while not interfering with its sterilizing efficacy.

Cleaning the Cervices of Teeth Before Applying the Rubber Dam—The rubber dam should never be applied to a tooth before its cervix has been cleaned and disinfected. If this precaution is omitted, infectious material is forced by the rubber and the ligatures under the gum margin, where it may remain for hours. The interruption in the circulation of the blood favors infection of the weakened tissue. For disinfection, hydrogen dioxid followed by thymol-alcohol is recommended.

A Quick Method of Making Impression Trays for Difficult Cases by Means of a Vulcanite Press—The method suggested for obtaining an accurate impression, if isolated or elongated teeth remain in the mouth, is as follows: An impression is taken in modeling compound; around the teeth the compound is scraped off to a depth of 2 mm., and a cast is poured with low-fusing metal of lead 5, tin 4, bismuth 9 parts. A sheet of soft metal is roughly swaged to the cast, which is then invested in a flask and pressed once or twice in the vulcanite press.

Protecting a Lancet Blade—It has been recommended for a long time to protect that part of a lancet blade not needed in lancing the gums, in adults and especially in children, by wrapping it with gauze, leaving only the end of the blade exposed. Any sudden movement of the patient would not then endanger the soft parts. Protecting gauze thus applied, however, is difficult to keep in place, and unless tied with thread may loosen and be a source of annoyance. A much better plan is to cut a Johnson cotton roll slightly

shorter than the blade, and press the blade through the centre of it, exposing only what is required at the end. The roll holds tightly on the blade, and can be safely pressed against the lips or cheeks to hold them away while the point reaches the desired spot.

The Water Syringe as a Tongue Depressor, Cheek Retractor, and Light-Reflector—In grinding roots or teeth in preparation for crown and bridge work, water is most important. With an office assistant, this problem is only partly solved. Most practitioners are without an office assistant, and find it difficult in most cases, especially in posterior teeth, to feed water to the stone, to retract the patient's cheek, or depress the tongue and reflect light at the same time. The stem of a water or air syringe is cut down to a length of $1\frac{1}{2}$ inches, and to it is riveted a piece of aluminum plate slightly bent. With this, the cheek can be retracted so as to protect it from burns or lacerations, and the tongue depressed for grinding the lingual surfaces of teeth. If the aluminum shield is kept polished, it will reflect light very brightly.

Contra-indications to the Use of the Rubber Dam in Amalgam Filling Operations—The use of the rubber dam in amalgam operations is rarely indicated, provided the cotton rolls and saliva ejector are intelligently used, and all things arranged for a careful but expeditious operation. Washing the cavity and margins with warm alcohol precludes contamination from the saliva, and thoroughly dries the field of operation. Many good cavity preparations extending beneath the gum would be extremely difficult cases for the use of the rubber dam, and a rubber clamp would interfere with the use of a matrix. One of the principal indications against the use of a rubber dam is the necessity of immediate closure of the jaw for the purpose of noting the occlusion, and particularly the movements of the mandible. This must be done at once, and before the filling material begins to crystallize, at which time there is great danger of crushing and breaking down a carefully contoured filling. This danger is nil before the filling has commenced to set. The saliva does no damage to the filling material after it is in place.—W. R. Pond, *Items of Interest*.

Collecting Blood for the Wassermann Test of Syphilis—In view of the fact that whole volumes have been devoted to the Wassermann reaction, any attempt to describe it briefly would be useless, particularly as the actual performance of the test consumes too much time to bring it within the province of the busy practitioner. It consists in the detection in the patient's blood of certain substances produced by the action of the syphilitic virus. It is of more practical importance to the dentist to know how to collect the blood for the test, and the interpretation of the results obtained. To obtain the blood, the patient's middle finger is first wiped off with alcohol, and the pulp of the distal end of the finger toward the ulnar side is given a deep puncture with a sharp-pointed lancet. This as a rule causes little or no inconvenience. About two cubic centimeters of blood should be collected in a small sterile test tube, and can usually be obtained in a minute or two by having the patient's arm hanging down and squeezing the finger after the manner of milking a cow. When the blood is obtained, the tube should be sealed with a cork, not with cotton, and put in a cool place, preferably on ice, until the test is made. Ordinarily the blood will keep in good condition for three or four days.—R. H. Ivy, *Dental Review*.

Device for Heating Rubber—Rubber heated on a clean pasteboard instead of a metallic cover will not stick thereto.

Investing Wax Models for Cast Gold Inlays—Instead of using a fine brush to paint the investment on the wax model, the model is dipped in the investment, which by the use of a chip-blower or the breath is several times blown off. The cast will come out perfectly smooth.

An Adjunct in Pressure Anesthesia—Sometimes when attempting to extirpate pulps under cocain pressure anesthesia, the pulps remain sensitive, as in idiosyncratic cases. I find that 95 per cent. alcohol instead of cocain acts immediately in producing the desired anesthesia in such cases.—A. S. Cambage.

Removing Modeling Compound from Impression Trays—An easy method of removing modeling compound adhering to the tray after the impression has been removed consists in melting a small portion of dental wax in the tray, and then wiping out with a cloth. This will leave the tray clean and bright.

THE HYA YAKA
MATERIA MEDICA.

A youth I just forget his name
Had much ambition, wanted fame,
So to the Dental College came
To be a dentist was his aim.
At first he thought it was quite tame,
And didn't figure in the game.
That there was Materia Medica.

Now soon the freshman year was o'er
And he became a sophomore
He wondered what they taught this for
And in his rage his hair he tore
'Twas plain to see the boy was sore
He flung his notes onto the floor
And cussed Materia Medica.

The oil of cloves he tried to learn
Five hundred pages did he turn
To find they used it for a burn
How for a little sleep he'd yearn
Sometimes he'd get quite cross and stern
And say "I'll quit the whole concern."
No more Materia Medica.

But still he plugged with all his might,
Determined that he'd win his fight;
But he became an awful sight,
They noticed that he wasn't right,
And on a dark and dreary night,
The poor boy up and flew his kite
Away from Materia Medica.

Searchin' 'round they found a note
And this is what the poor lad wrote:
"This awful subject has my goat,
I feel its grip around my throat,

I know there is no antidote,
And so I've taken Creosote.
Good-bye Materia Medica."

They found him on the first of May,
Pale and lifeless did he lay;
They rushed him home without delay,
But even to this very day
His finder tells that on the way,
He raised himself enough to say—
Oh Materia Medica.

C. B. WILSON, '21.

EXPERIMENTS TEACH—EVERYBODY.

In the chemistry lab.
We did a little dab
Of almost everything.

We mixed up some of this with a little bit of that,
And we got a funny smell
That would nearly kill a cat.

NH_4OH with H_2LO_4 ,
Half flew up to the ceiling.
The rest messed up the floor.

Ordinary H_2O added to HNO_3 ,
The reason why the test tube broke
Remains a mystery yet to me.

But that disgusting unknown solution
Quite shook my resolution
When I found it a dilution
Of H_2O .

In the chemistry lab.
We made a mighty stab
At everything.

—C. A. E.

It Couldn't Be Done!

"SOMEBODY said it couldn't be done,
But he, with a chuckle, replied
That 'maybe it couldn't,' but he
would be one
Who wouldn't say so till he'd tried.
So he buckled right in, with the trace of a
grin
On his face. If he worried he hid it.
He started to sing as he tackled the thing
That couldn't be done, and he did it.

"Somebody scoffed: 'Oh, you'll never do that;
At least, no one ever has done it.'
But he took off his coat and he took off his hat
And the first thing we knew he'd begun it;
With the lift of his chin and a bit of a grin,
Without any doubting or quiddit
He started to sing as he tackled the thing
That couldn't be done, and he did it.

"There are thousands to tell you it cannot
be done.
There are thousands who prophesy failure,
There are thousands to point out to you,
one by one
The dangers that wait to assail you;
But just buckle in with a bit of a grin,
Then take off your coat and go to it;
Just start in to sing as you tackle the thing
That 'cannot be done,' and you'll do it."

Advertisers You Should Patronize

Barber Shop—Snow, W. I. & Co., 464 Spadina Ave.

Barristers, Etc.—E. A. Harris, C.P.R. Building.

Books and Stationery—McAinsh & Co., 4-12 College St.

Boots and Shoes—Brotherton, John, 578 Yonge St.

Confectionery, Etc.—Woman's Bakery, 270 College St.

Dental Supplies—

Ash, Son & Co., Claudius, 11-13 Grenville St.

Allen & Rollaston, Dental Laboratory, 2 College St.

Dental Co. of Canada, 229 College St.

Dental Trading Co., 237 College Street.

Goldsmith Bros., 24 Adelaide St. West.

Ingram & Bell, 256 McCaul St.

National Dental Co., 10-12 St Patrick St.

Sanders Dental Supply Co., 449 Spadina Ave.

Temple-Pattison Co., Ltd., 243 College St.

White, S. S. Dental Mfg. Co., College St.

Drugs—

Ferrier, Geo. W., 233 College St.

Parke, Davis & Co.

Photographers—Farmer Bros., Ltd., 492 Spadina Ave.

Printers—Haynes Press, 502 Yonge St.

Restaurants—Rose Cafe, cor. College and Spadina Ave.

Sporting Goods—

Brotherton, John, 578 Yonge St.

Text Books—

McAinsh & Co., 4-12 College St.

Ingram & Bell, 256 McCaul St.

Miscellaneous—

Canadian Oral Prophylactic Ass'n, Ltd.

Parke, Davis & Co.

Varsity Shoe Repairing.

Don't PATRONIZE our Advertisers, just act square and Deal With Them Exclusively.

WHEN PURCHASING SUPPLIES
LOOK FOR THIS TRADE-MARK



IT ASSURES QUALITY
AND REASONABLE PRICES

The Sanders Dental Supply Co.

Dominion Bank Chambers,
449 Spadina Ave.,
TORONTO

Western Branch:
Somerset Block,
WINNIPEG, MANITOBA

Step Around
The Corner, It Pays.

Open From
8.30 a.m. to 5.30 p.m.

When Dealing With Advertisers Mention "Hya Yaka."

Dental Text Books

All the prescribed Texts as well as a full line of the best Reference Books in Dentistry always in stock.

A room set apart for Dental and Medical Students

Special Dental Stationery with embossed crest.

Note Books, Fountain Pens, etc.

McAinsh & Co. Ltd.

4-12 COLLEGE ST.

TORONTO

Phone—N. 1700.

Electric Sterilizers for Dentists

As recommended and adopted and sold by us to Royal College Dental Surgeons, Toronto.

Call and see same or
order by phone or mail
from

Ingram & Bell
LIMITED

256 McCaul Street

TORONTO

Order as D. 110.

Dental Literature

We have issued a number of Pamphlets, Booklets, etc., of special interest to dentists inasmuch as some of the more recent and remarkable additions to the resources of the profession are described and their applications indicated therein. Requests for any of the following will be promptly filled at no cost to the enquirer.

Adrenalin in Dentistry

Cresylone

Borol

A Study in Dental Anesthesia

Chloretone in Dentistry

Ethical Antiseptic Soap

Germicidal Soap

Nargol

Dentalone

Aposthesine

PARKE, DAVIS & Co.

Manufacturing Chemists

WALKERVILLE, ONT.

Eastern Depot

118 St. Paul St. W., Montreal, P.Q.

Winnipeg Office:

301 Keewayden Bldg.

Toronto Office: 422 Ryrie Bldg.

The Canadian Oral Prophylactic Association

ESTABLISHED—

1—To provide dentifrice which does not injure the teeth and mouth.

2—To provide tooth brushes which are suitable for all conditions.

3—To disseminate dental education.

4—To do acts of charity.

Of the four objects of the Association, the first two provide money to carry out the second two.

Examine the HUTAX preparations, be convinced, then recommend them, and assist in the good work.

Obtainable from any druggist or from the

LYMAN BROS. & Co.

71 Front St. W., Toronto, Can.

JOHN HARGREAVES

726 Markham St.

Hon. Sec., A.J. Broughton, D.D.S.
305 Markham St., Toronto, Can.

When Dealing with Advertisers Mention "Hya Yaka"

ALLAN & ROLLASTON

DENTAL LABORATORY



Rooms 114, 115, 116

2 College Street, TORONTO, CAN.

Tel., N. 7010. House Telephones: W. S. Allen, J. 1897
D. Rollaston, B. 1770

STUDENTS

See Our Tempting Display of

CONFECTIONS

—at—

The Woman's Bakery

Confectioners and Caterers.

Two Stores

270 College Street,
Col. 3057.

430 College Street,
Col. 1401.

FERRIERS

QUALITY DRUG STORE

Students' Note Books
Waterman's Fountain Pens
Magazines, Stationery, Etc.
Choice Confectionery

233 COLLEGE STREET
(opposite Dental College)
Phone College 283

ERNEST A. HARRIS

Barrister, Solicitor, Etc.

Collection Agency.

Offices: 711 C. P. R. Building,
TORONTO

Phone Adelaide 4779.

When Dealing with Advertisers Mention "Hya Yaka"

Special All Wool V Neck Dental Sweaters \$6.00

**Hockey Boots, Skates, Hockey Sticks, Cushions
and Pennants**

J. BROTHERTON
580 YONGE ST.

SKATES SHARPENED.

Tel., NORTH 2092.

**TAKE YOUR SHOE
REPAIRING TO
VARSITY**

Shoe Repair Works
439 Spadina Avenue
4 doors south of Dominion
Bank.

ROSE CAFE
Open Day and Night
Corner
COLLEGE and SPADINA

**MAKE IT WORTH WHILE
FOR PEOPLE TO ADVER-
TISE IN YOUR COLLEGE
PAPER OR YOU WON'T
HAVE ONE.**

Phone—NORTH 3912

**THE
HAYNES PRESS**

EVERYTHING

**IN
PRINTING**

502½ YONGE STREET

TORONTO

Wm. W. Brown.

When Dealing with Advertisers Mention "Hya Yaka"

492 Spadina Avenue

Phone—Coll. 2869

Reduction to Students

FARMER BROS. LIMITED

High Class

Portraiture

Photographers

Exclusive Frames

and Framing

Reduced Prices on Military Pictures

SPECIAL TO STUDENTSFOR GOOD HAIR CUTTING
Try Us.**W. I. SNOW & CO.**

Barbers and Tobacconists

464 SPADINA AVE.

(Late E. M. Kennedy & Co.)

TRADE WITH OUR AD-
VERTISERS — AND GET
WHAT YOU WANT, WHEN
YOU WANT IT, AND WHAT
YOU ORDER.

IT PAYS TO
ADVERTISE IN

Hya Yaka

Do YOU?

Instruments

DENTAL OPERATING INSTRUMENTS
TO BE OF SERVICE MUST BE
OF THE HIGHEST QUALITY.

ASH'S INSTRUMENTS ARE NOTED
THE WORLD OVER FOR THEIR

Standard of Excellence

We charge no more for Ash's than
others do for "No Name"
instruments.

Place your orders with us for your
Infirmary Requirements.

We have had nearly 100 years' experience
in manufacturing Dental Goods.

Claudius Ash, Sons & Co.

5-12 Broad Street, Golden Square, LONDON, ENG.

Established 1820

Canadian Branch: 11-13 Grenville Street,
TORONTO.

FURNITURE AND EQUIPMENT

EVERYTHING YOU NEED TO
START IN PRACTICE, AT
REASONABLE PRICES AND ON
LIBERAL TERMS OF CREDIT.
COME IN AND SEE OUR "MODEL
OFFICES" AND "X-RAY ROOMS"
AND LET US TALK THE
MATTER OVER WITH YOU.

THE DENTAL COMPANY OF CANADA, LIMITED

229 COLLEGE STREET, - TORONTO

Phones Coll. 6929 and 6930

New Birks' Bldg.
Montreal

Booth Bldg.
Ottawa

The

18 # 5

HYA YAKA

May, 1919



PUBLISHED BY THE STUDENTS OF THE
ROYAL COLLEGE OF DENTAL SURGEONS
OF ONTARIO.

THE ONLY PLAUSIBLE REASON FOR
A MANUFACTURER NOT STAMP-
ING HIS NAME OR TRADE-MARK ON
HIS INSTRUMENTS IS THAT HE IS
ASHAMED OF THEM.

¶ EVERY INSTRUMENT WE SELL
BEARS THE MAKERS' NAME. HE IS
PROUD OF HIS PRODUCT, AND IT
CARRIES WITH IT A TWO-FOLD
GUARANTEE, HIS AND OURS.

Our policy has always been

QUALITY SERVICE
COURTESY

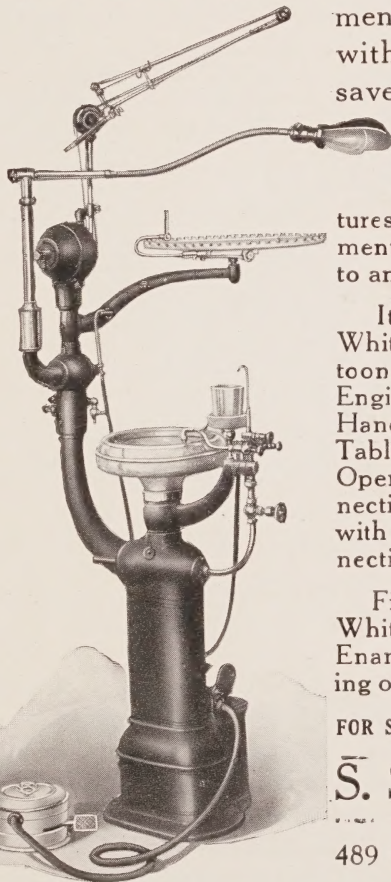
THE
Temple-Pattison
Co., Limited

243 College Street - - TORONTO, ONT.

LONDON WINNIPEG REGINA CALGARY
EDMONTON VANCOUVER

The S. S. White Equipment Stand No. 3

COMPACTNESS is a desirable feature today in dental office furniture. This when coupled with a practical arrangement of the operative equipment provides a dentist with an outfit which saves time and labor.



The S. S. White Equipment Stand No. 3 combines these features in an operative equipment which is an ornament to any dental office.

It includes the S. S. White Spiral Flush Spittoon, S. S. White Electric Engine with Belt Arm and Handpiece, Glass Aseptic Table No. 3, Adjustable Operating Light and connections for Air and Gas, with an extra electrical connection for Mouth Lamp.

Finished in Black Japan, White, Gray or Mahogany Enamel with hairline striping of an appropriate color

FOR SALE BY DENTAL DEALERS.

S. S. White Co.

of Canada, Limited

489 College St., Toronto

Wholesale Distributors in Canada for

THE S. S. WHITE DENTAL MANUFACTURING CO.

PHILADELPHIA. U.S.A.

When Dealing with Advertisers Mention "Hya Yaka"

Students Attention

Watch this page each month during your attendance
at the

R. C. D. S.

IT WILL BE TO YOUR BENEFIT TO PAY A VISIT
TO OUR FACTORY AT

10-12 St. Patrick St., Toronto.

SEE HOW WE MANUFACTURE

Dental Chairs

Dental Electric Engines

Dental Electric Laboratory Motors

Dental Cuspidors

Dental Bracket Tables

Dental Switchboards

Dental Water Heaters, etc.

See our Patent Electric Vulcanizer in operation

The highest class of Dental Equipment.

Made in Canada, by Canadian Workmen.

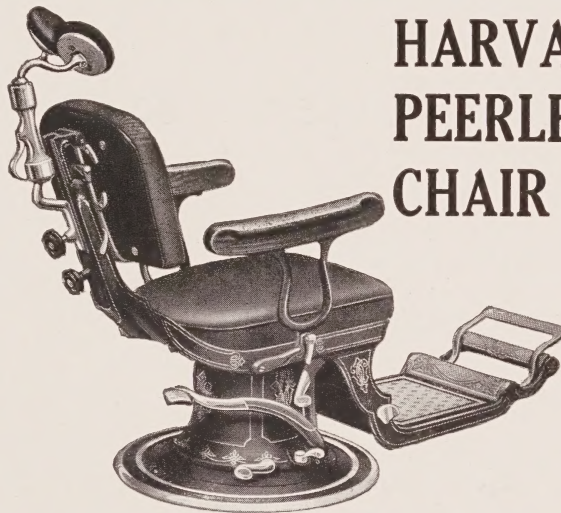
**Drop in any time, we will be pleased to give you time
and attention.**

**NATIONAL DENTAL CO.
LIMITED**

When Dealing with Advertisers Mention "Hya Yaka"

A Pleasure Indeed

to demonstrate to you the
superiority of the



**HARVARD
PEERLESS
CHAIR**

as well as our other lines of equipment.

See us before making your selection.

**Goldsmith Bros.
Smelting & Refining Co.,
Limited**

24 ADELAIDE ST. WEST, TORONTO

New York

Chicago

Seattle

Atlanta

Montreal

When Dealing with Advertisers Mention "Hya Yaka"

Students' Dental Depot

Senior Students, come
and see our Dental
Outfit before buying
elsewhere.



Full supply of Sophomore and
Junior Instruments



Best discounts given.

DENTAL TRADING Co.

E. GREEN, Manager.

237 COLLEGE STREET, TORONTO

Just across from the College.

When Dealing with Advertisers Mention "Hya Yaka"

HYA YAKA

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Ye Sophomore's First Gold Foil Filling.

THE HYA YAKA

Vol. XVIII.

Toronto, May, 1919.

No. 5

Address to Graduating Class

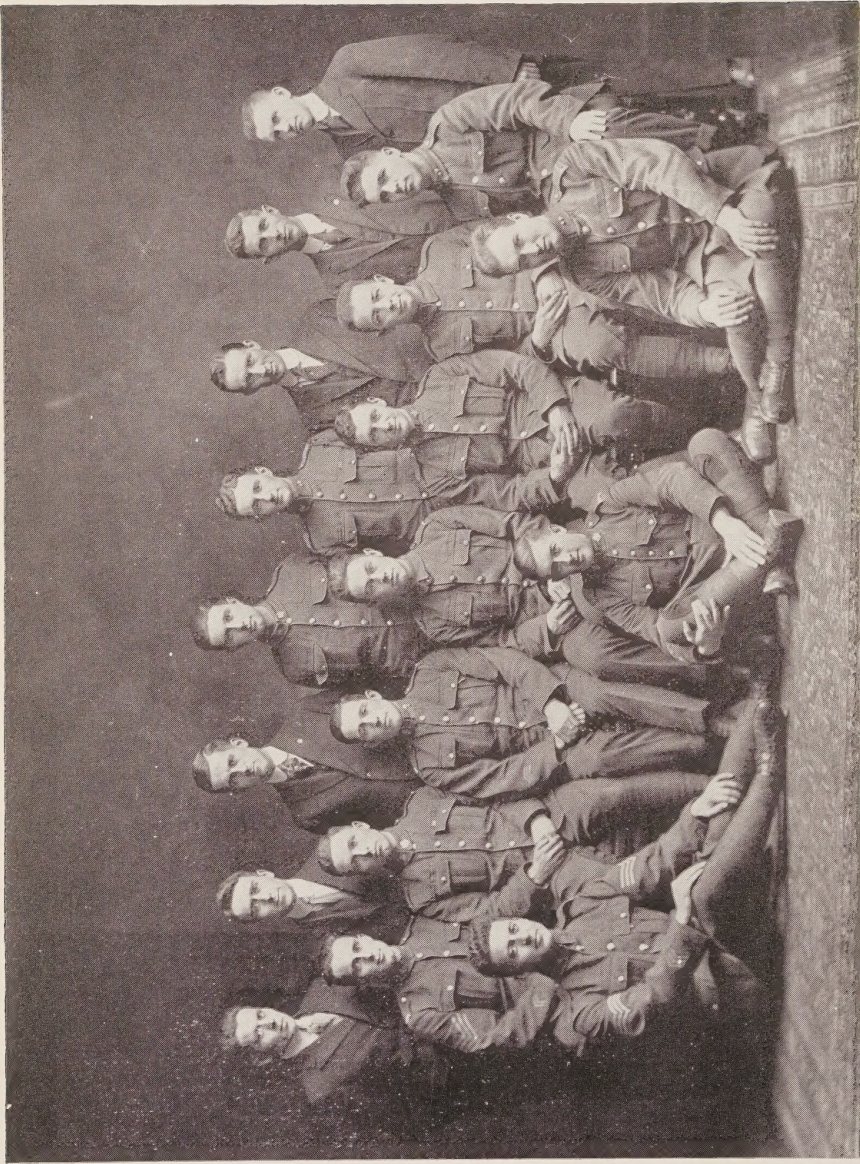
By DR. A. E. WEBSTER, Dean R.C.D.S.

All is change in Dentistry. There are few callings which have gone through such an evolution as dentistry in the past seventy-five years. It would seem that the past ten years have been of the greatest moment to the profession. What was accepted theory and practice then is obsolete now. The war seems to have had its influence on dental practice and set the members of the profession a-thinking. The public are interested in dental practice in a vital way that was not dreamed of a decade ago.

With these facts known the young graduate has a great opportunity before him. It is not a location, but the kind of practice he wishes to follow that must be chosen. There is more dentistry to be done than can be touched on if there were twice as many dentists in Canada.

With plenty to do, a progressive and prosperous country and a good education, what is to be feared? In a professional sense everything. The education young men receive in a modern dental college does not completely fit them for the conduct of a busy practice all at once. It is better that a practice should grow with the skill and experience of the practitioner. If a young dentist becomes too busy he has not time to develop and put into practice the principles learned at College, and as a consequence makes many mistakes, acquires a habit of hurrying or carelessness. Another misfortune for the beginner is the flood of advice he receives from his friends. Much of the advice received from well-meaning people may not have the professional instincts behind it and lead to regrets later on.

The recent graduate gets much professional advice from professional friends and from dental dealers as well. To sift out the wheat



Members of 1T9 who, due to their enlistment in the C.E.F., did not graduate with their Class: Top row—E. McFeetors, J. E. Fraser, W. R. Richardson, A. G. Calbeck, G. H. Snell, J. H. Strath, A. F. Cooper, A. A. Backus, Middle row—J. L. Rogers, G. W. Howson, R. T. Broadworth, H. R. Anderson, R. G. Read, J. M. McLeod, G. M. Heisy, Bottom row—R. G. Hyde, W. J. Wilkey, A. S. Holmes.

from the chaff in such matters requires some thought. One must keep clearly in mind what motive actuates the adviser and what capability he has for giving good advice. Delay in acting on any person's advice is always wise. Forming judgments on others' opinions in a professional sense should involve a canvas of all the facts known at the time. Too many young men forget the principles which they have been taught and only think of the happy results to be attained by using some one's method or drugs. Hold fast to the known until the doubtful is established. This principle does not mean that young men should become senile at twenty-five and dread to try anything new at thirty.

The Faculty of the School of Dentistry does not hope to adequately teach but a small part of dentistry, but it does hope to send its graduates out trained in fundamental principles so far as they are known and give them a grasp of the affairs of life sufficient for a start on the way. To such, the professional gate is wide open and the Staff wishes them God-speed.

IN MEMORIAM

KILLED IN ACTION

Lieut. Francis N. Cluff.

Pte. I. C. Mallough,

Pte. C. C. Ramage.

DIED

R. Becker,

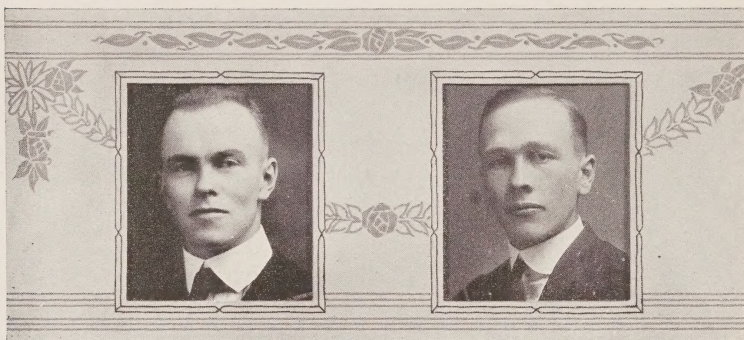
Richard W. Poole.

ON ACTIVE SERVICE.

Members of R.C.D.S., Class 1T9, who enlisted in the C.E.F.

Anderson, H. R.	Hart, R. A.	McCann, H. J.	Ramage, C. C.
Barkley, K.	Hartford, H. A.	McLeod, J. M.	Reid, R. G.
Bertrand, O. H.	Heisz, G. M.	McLeod, S. M.	Read, E. A.
Blondin, M. H.	Heney, M. J.	McPhee, A.	Richardson, W. R.
Broadworth, R. T.	Holmes, A. S.	McFeetors, E.	Roach, H. C.
Calbeck, A. G.	*Howson, G. W.	Millan, R. P.	Rogers, J. L.
Carrothers, E. T.	Hugill, W. L.	Milne, J. A.	Saunders, H. A.
Cluff, H. F.	Hyde, R. G.	Mitchell, G. F.	Sloan, G. H.
Cooper, A. F.	Kemp, S.	Montgomery, J. G.	Slone, A.
Couture, A.	Laidlaw, N.	Moore, S. A.	Small, G. A.
Crouch, S. S.	Lamey, M.	Murray, W.	Smith, W. H.
Daryar, C.	Leak, W. H.	Oke, C. R.	Smith, W. L.
Des Rosiers, R.	Levesque, G.	O'Leary, E. J.	Smyth, W. D.
Dickson, J. H.	Lewis, T. D.	O'Rourke, T. H.	*Snell, G. H.
Dodge, G.	Lippert, J. F.	Pickard, J. W.	Steele, C. N.
Dunbar, I. W.	Mackie, J. L.	Porter, A. B.	Stewart, C. E.
Ferguson, D. J.	Mackay, A. W.	Poyntz, A.	Stewart, J. L.
Hall, R. W.	Mallough, I. W.	Quigley, N. J.	Wilkey, W. J.
Harper, H.			Wright, R.

*Received Military Medal.

**AITKEN, ELMER S.**

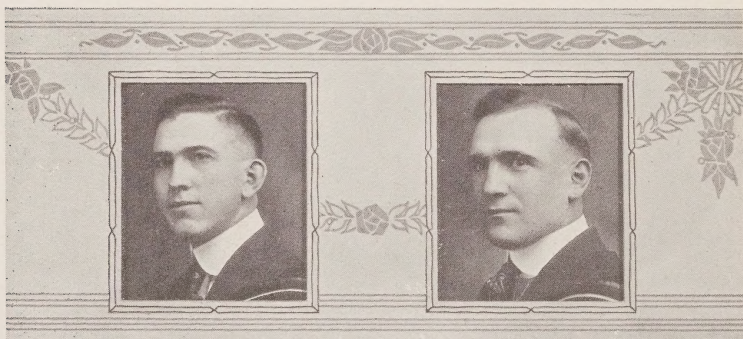
"Use all the talents you possess,
And you will be a true success."

First breathed the country air near Glenannan, Ont., where he received his early education. Matriculated at Wingham just in time to swing in with Class 1T9. His conscientious efforts and genial disposition assure for him a successful future in his profession

ALSTON, WALTER G.

"Perhaps it may turn out a song,
Perhaps turn out a sermon"

Walter sent out his first wails on July 30th, 1889, at Powassan, Ont. Graduated from Pawassan High School in 1908. Attended Normal and taught school for five years. Entered R.C.D.S. with Class '18. Enlisted in 1916 and returned December, 1917. Noted for his genial disposition. Bound for success.

**BARKLEY, KEITH W.**

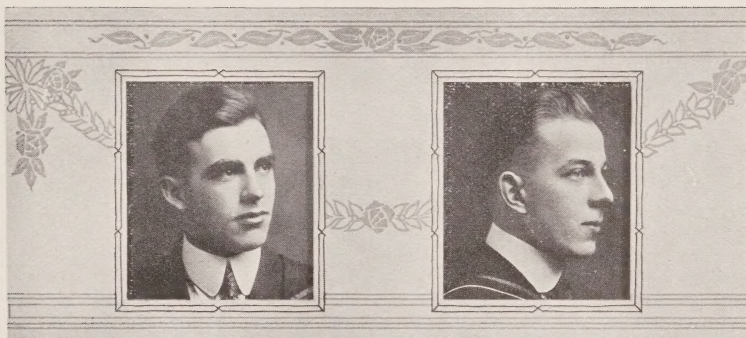
"While it was yet early he arose
and went to a far lecture."

When Keith arrived at Williamsburg, Ont., on Feb. 18, 1895, his father bought five cigars. One for each inhabitant. After his early education at Messena, N.Y., he matriculated at Morrisburg, Ont. The eternal question, "How's Shea's this week?"

BARNBY, ALEX. E.

"Unassuming, sincere and aye
a man."

Alex. was born at Lucknow, Ont., receiving his early education and matriculation there. After which he attended Stratford Normal School and taught three and one-half years. He entered the R.C.D.S. in 1914 and was a star, both at his College duties and at football. Success awaits him.

**BEAN, HARVEY G.**

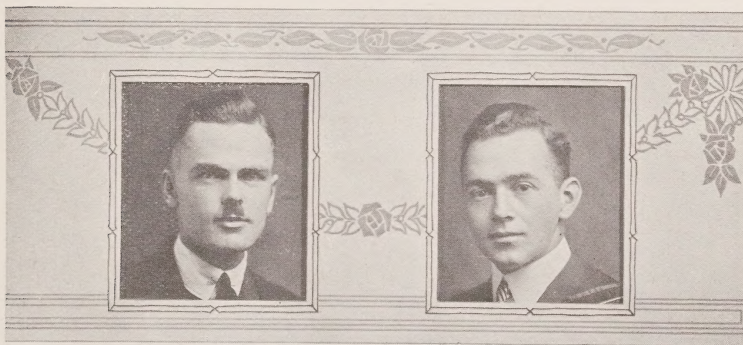
"Works a little, motors a lot,
But never attempts to do a fox trot."

Harve first inflated his lungs at Islington one bright May morning. Matriculated from Humberstone Collegiate and entered Dentistry in fall of '14. Enlisted Feb. '16 and returned in Dec. of '17. Member of Xi Psi Phi. His cheerful disposition and painstaking efforts should make for success.

BEBEE, M. C. G.

"Cool, unperturbed by stress and hurry."

Inclined to work, but not to worry. History marks April 7, '96, as an auspicious date in Owen Sound. Matriculated in O.S.C.I. in '15. Secretary of Freshman year. Good fellowship and sincerity is bound to make him a host of friends.

**BISHOP, RUSSEL.**

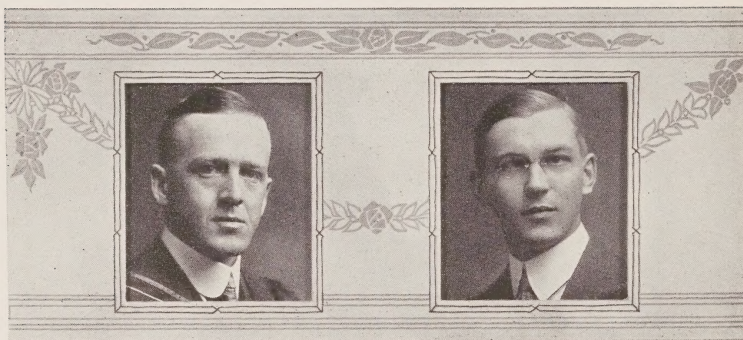
"He has a heart as sound as a bell,
and his tongue is the clapper;
for what his heart thinks, his
tongue speaks."

Russel was born at Sydenham, Ont. Matriculated at Harbord Collegiate, Toronto. Entered R.C.D.S. 1913. Member of Dental hockey team, Jennings Cup championships 1915-16. Active service in France 1917. A good worker and a friendly disposition, he is bound to be a credit to his profession.

BLANDIN, MURRAY H.

"Duty is the demand of the
passing hour."

Born near Brougham, Ont. Received early education at Oshawa. Thence he came to Toronto and matriculated at Jarvis C.I. Continued honour matriculation for one year, but decided to enter Dentistry with Class 1T9. Representative of R.D.S. for the Sophomore year. Good luck, "Old Top."

**CARROTHERS, ELDON T.**

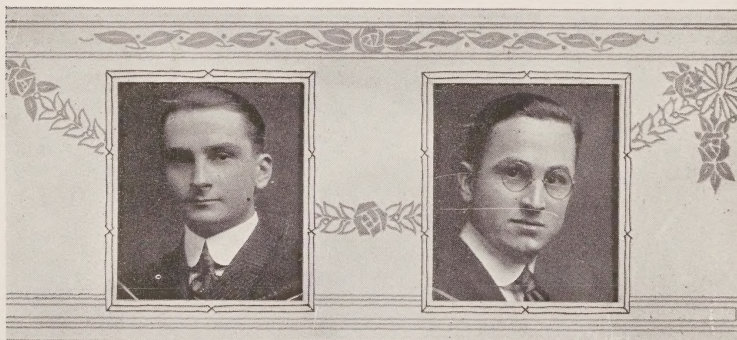
"He stood four square to all
the winds that blew."

Born at Wawanesa, Man. Matriculated from Brandon College. Of good character and a genial disposition, he had many friends. For him we predict a brilliant career.

CHEGWIN, ARTHUR E.

"Friends slowly won are long held."

'Twas a May day of 1895 that Lacombe turned out en fete to celebrate Ed's arrival on the stage of life. Matriculated at Moose Jaw, where he learned to play the brand of basketball that later gave him a place on the Dent team. Entered R.C.D.S. '14. Enlisted Feb. '16. Returned from overseas Dec. '17. "Sheg." is the kind who makes good.

**CLEMENCE T. CARLYLE.**

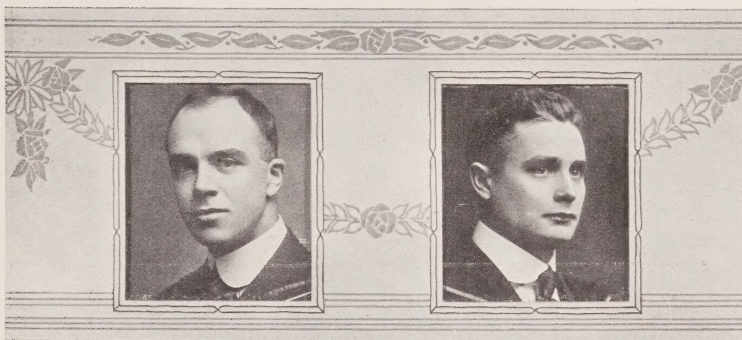
"Tis no sin for a man to labor
in his vocation."

First heard from near Bowmanville, January 30 1896. Early pursuits—pulling teeth. Bowmanville High School matriculated him to Royal College of Dental Surgeons, '14. Secretary Y.M.C.A. '17. Pleasures—farming. His quiet friendliness make Carl's future bright.

COUTURE, AIME.

"His faults are few, qualities many,
Fond of music and love for duty."

First saw daylight in Hull, Que., June 26, 1896. Matriculated at Ottawa University. Entered R.C.D.S. in 1915. Leader of the College orchestra '18. His past foretells a brilliant future.

**CROUCH, S. STUART.**

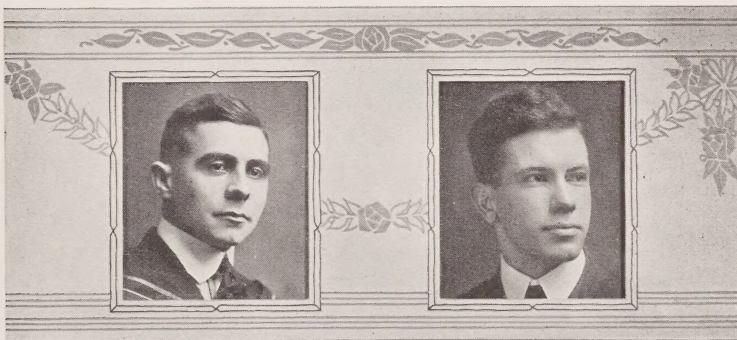
"The man whose opinions are not attacked is beneath contempt."

English, and proud of it, though born in Toronto, "Sam," known also as Sunny Jim and Grouchy Gus, matriculated at Harbord Collegiate. Has held several offices, among them Federal President, University Y.M.C.A., and member Torontonensis Board, served a year overseas. Class standing, O.K. Dream lofty dreams; as you dream, so shall you become.

DARYAW, CHAUNCEY.

"Caesar was ambitious."

Chauncey claims the vicinity of the Kingston Pen. as his birthplace in 1893. He matriculated from Kingston Collegiate Institute. A diligent worker and regular in lecture attendance. The word failure is not in his vocabulary.

**DES ROSIERS, RALPH L.**

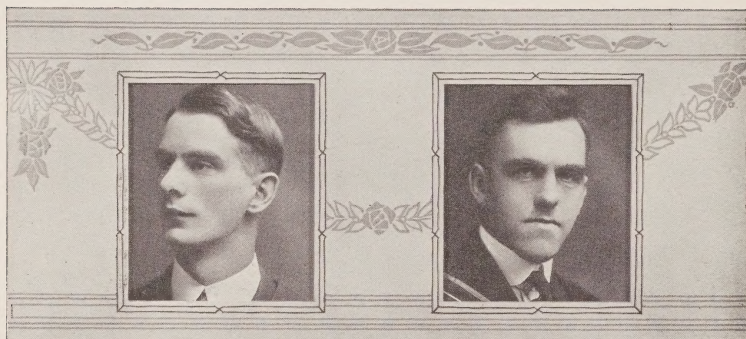
"He never misses a lecture, and never misses a show."

Great event at Clarence Creek, Ont., Jan. 15, 1893. Educated Ottawa College. Matriculated at Rockland, Ont., '15. Overseas in '17. Vice-President of Senior year '19. Chief Yoddler of Class '19, Dental.

DICKSON, JOHN H.

"When you're up again a bruiser, grin."

Jack's career commenced in the year 1894 at Brandon, Man. He matriculated from the Brandon Collegiate Institute and entered the R.C.D.S. with Class '19. A careful and ardent worker. Success is assured. Member of Xi Psi Phi Fraternity.

**DICKSON, STANLEY N.**

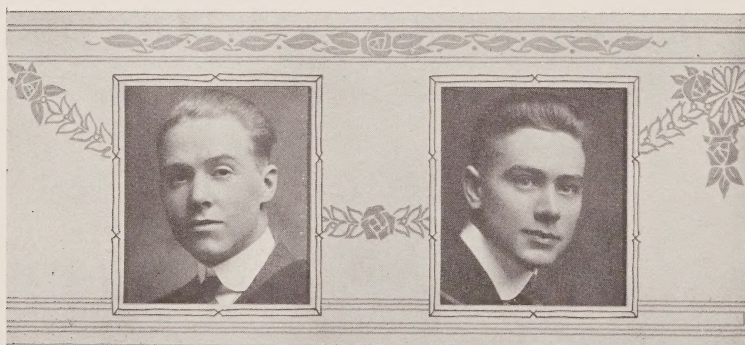
"Life is not life at all with no delight."

"Slim" first hollered for "eats" in Brandon, Man., in the year 1896. Matriculated from Brandon Collegiate in 1914. Journeyed East in quest of Dental knowledge and entered R.C.D.S. in 1915. Prominent in College orchestra. Member of Xi Psi Phi Fraternity.

DODGE, GORDON.

"A short saying often contains much wisdom."

Born at Strathroy, April 25, 1889. There he received his High School education. Entered Victoria College as a member of Class 1T4. Spent three and one-half years teaching in Alberta. In 1915 decided to try his luck with the Class of 1T9 in the R.C.D.S.

**DREW-BROOK, LAURENCE.**

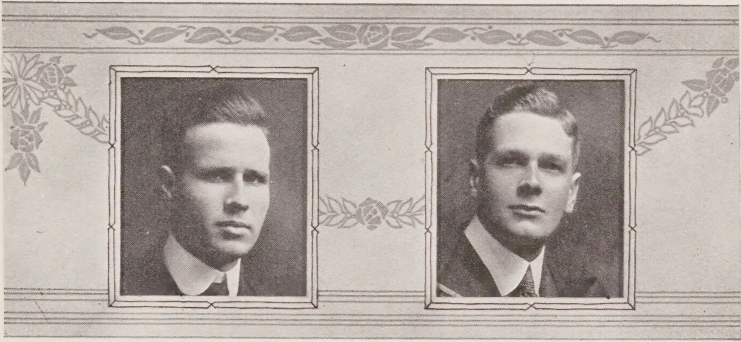
"He hath a stern look, but a gentle heart."

Laurie arrived in his birthday suit at Water Fryston, Yorkshire, England. Educated at Oakham School, Oakham Ruts, England. Matriculated Jarvis Collegiate, Toronto. Has a peculiar interest in the upstairs labs. Works a little, motors a lot. Loves to watch the bacteria wiggle under the telescope.

FERGUSON, DUNCAN J.

"Of a cheerful look, a pleasing eye, and a most noble carriage."

"September Morn" was the date Chatham was stirred into commotion. Matric. Chatham Collegiate. Departed from home ties fall of '15, to study Dentistry. Active in Soccer and Rugby '18. President Y.M.C.A. '19. We are sure he will be a credit to his profession.

**FLETT, DONALD M.**

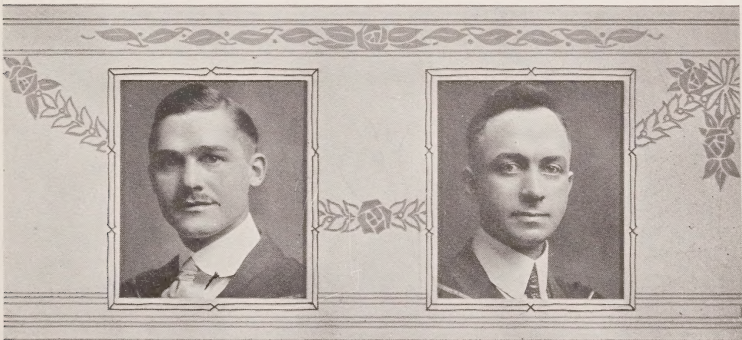
"It's not what you say, it's what you do that counts."

Born Oct. 22nd, 1897, Walkerton, Ont. Learned his three Rs at Desbarats, Algoma. Matriculated Owen Sound Collegiate Institute, where he was a noisy member of the Students' orchestra. Started with Class '19 in Dentistry. Member of Joint Committee, Senior Representative to Students' Administrative Council. President of R.C.D.S. Orchestra. His future is assured.

FRASER, LUKE G.

"Here comes a man of comfort, whose advice hath often stilled my brawling discontent."

Born at Odessa in 1894. Matriculated from Odessa O.C.C. Wielded the birch for two years. Entered Dentistry with Class 1T9. Member of Inter-Faculty Soccer championship team in '17. President of R.D.S. and President of Soccer in Senior year. A man of quiet disposition and fond of the opposite sex.

**GARDNER, A. VICTOR.**

"Periclasia by name, and periclasia by nature."

Vic. first dropped in at Toronto, at 3 a.m., 1890. Matric. at Woodstock College. Entered R.C.D.S. '09. After various experiences, including the Army, Vic. is here again. An expert in things peridental, prominent as a toreador and at inside athletics. He is bound to make a new name for himself as a successful man in his profession.

GODWIN, W ORVILLE.

"Above all, truly on The Square."

The great event took place at Kingsville, Ont. Matric. at Toronto. Graduated from Bliss Electrical School, Washington, D.C., '06, from Indiana Dental College, '18. A typical clergyman's son, as his family well know.

**GRAVEL, LUCIEN.**

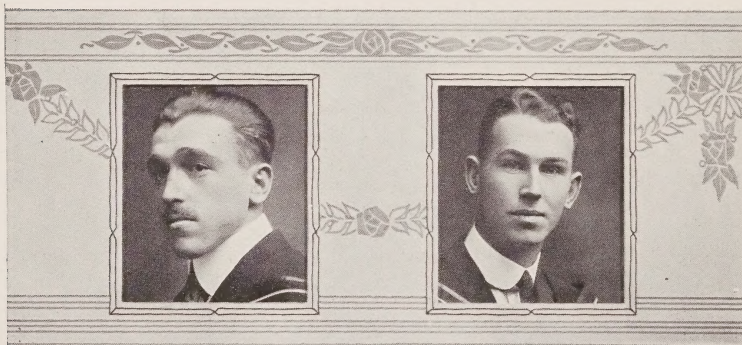
"Naturally quiet he made many friends."

Born at Louiseville, Que., March 14, 1887. Matriculated at Ottawa University. Started his Dental studies at Laval University, Montreal, and later joined Class 1T9 at R.C.D.S. We wish him a successful future.

HALL, RALPH W.

"Thru' time and change, unquenchable the same."

"Ralph" hails from the golden West. Born in Vancouver, 1896. Received his preparatory education at Columbian College, New Westminster. After spending a year at McGill University as an Arts student, he decided to enter the R.C.D.S. with Class '19. Being a stickler in work as in wooing, success is sure for him.

**HART, ROBERT A.**

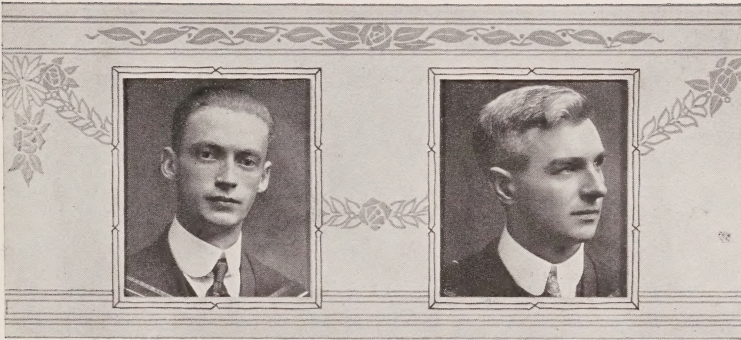
"One never knows one's luck, does one?"

Bob first greeted the misty morn on Aug. 23, 1895, at Chesterville, Ont. Obtaining his Matric. at Morrisburg, he entered the R.C.D.S. with Class '19. He enlisted with the 67th Battery, C.F.A., and, after spending some months overseas, returned and completed his course.

HARTFORD, HAROLD A.

"To be, or not to be, that is the question."

"A boy," said the doctor, some twenty-two years ago at Owen Sound, and there he lived and grew. He received his early education in Owen Sound, matriculating in 1913 from the O.S.C.I. Entered R.C.D.S. in 1915, and, up to date, is still "carrying on."

**HAYES, WILLIAM N.**

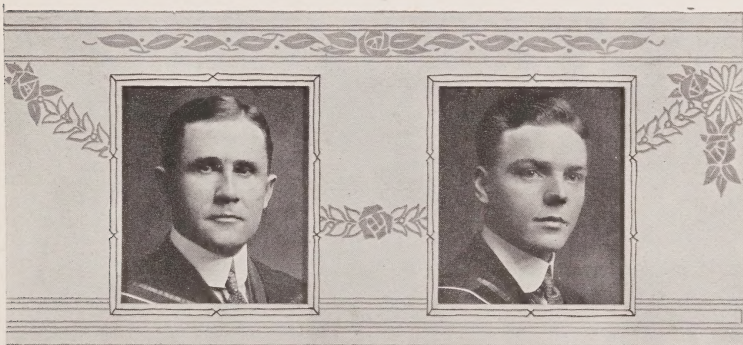
"When is the next dance?"

Billie was first heard in Peterboro', May 29, 1896. Educated in Peterboro' Collegiate, Ottawa University and R. C. D. S. Third year First Vice-President At-Home Committee and President of the same in his final year, and a member of the Cabinet. Many friends wish him success in life.

HOAG, HAROLD W.

"Laugh and the world laughs with you."

The "big fellow" first smiled in Huron County in the nineties. Matriculated from Brussels and spent three years wielding the birch. Sought his fortune in Saskatchewan prairies for three years. A genial disposition and a lover of nature. Editor of the Hya Yaka in Senior year. Member of Xi Psi Phi Fraternity.

**HOLMES, EDWARD W.**

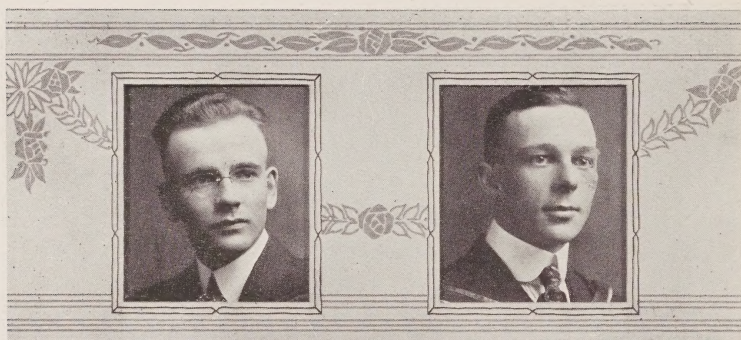
"Labor omnia vincit."

Born and educated in Toronto. Entered commercial business, and after some years' experience returned to studies and matriculated. Preferred Dentistry to all other professions so entered the Royal College of Dental Surgeons of Ontario. He is a lover of forest and stream and all outdoor life; an expert fisherman, and excels in amateur photography.

HORD, ALVIN M.

"Always merry and bright."

"Al" first saw the light of day on March 31, 1897, in the City of Stratford, Ont. Matriculated from Jarvis Collegiate. On Hya Yaka staff '17 and '18. Manager of Inter-Faculty Hockey Champions '18. Especially popular with the ladies, and as for Dentistry, his interest in the work makes his successography.

**HOTHAM, RICHARD I.**

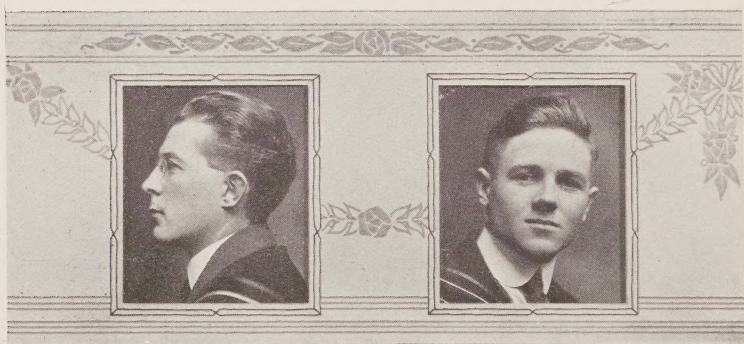
"The way to succeed is not to fail."

Born at Staffa, Ontario, August 29th, 1896. Emigrated to Saskatchewan. Matriculated in Strassburg High School 1912. Tried Banking, then Drugs, and finally entered Dentistry '15. Awarded the J. B. Willmott Memorial Scholarship '18.

HUGILL, W. LAVERNE.

"Keeps his counsel, does his duty,
Cleaves to friends, and loveth beauty."

Verne alighted from the stork express at Mt. Elgin, April 17th, 1896. Came to Toronto '07. Matriculated from Harbord Collegiate Institute '14. Entered R.C.D.S. '15. Joined C.A.D.C. during course, as a sergeant. Lucky stars feature his horoscope. Unsurpassed as a true friend and pal. Prognosis—excellent.

**JOHNSON, WILLIAM M.**

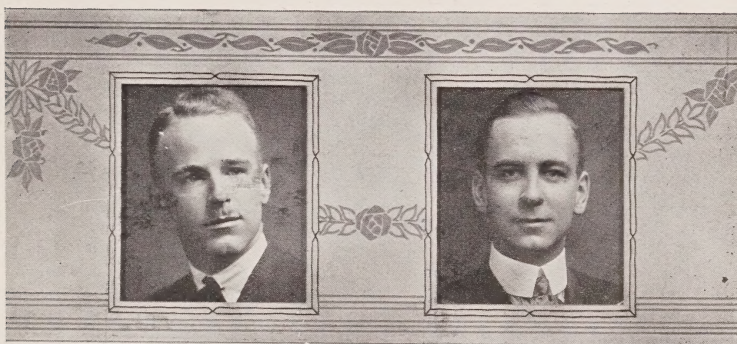
"Let others hail the rising sun,
I'll not get up till my sleep is done."

May 11th, 1890, saw the auspicious event. Received junior education at the Athens High and Model Schools. Began College course with Class '15, completing three years. Served with C.A.D.C. Played in three Mulock Cup series. Returned this year to complete his course.

JOHNSTON, HAROLD E.

"Like the water still, he's very deep."

Congenial Harold blew in with autumn breezes Nov. 4, '94, at Dresden, Ont., whence he matriculated '08; Normal Entrance '09. Heard call of West, spring of '11. Indulges in "cow-punching" and "broncho-busting." Captained Championship Western Baseball Team three successive years. Became member Class '19 R.C.D.S. and Xi Psi Phi April 3, '18. Cupid found him a target par excellence. Inclined to work but not to worry. Success.

**JONES, ALLAN W.**

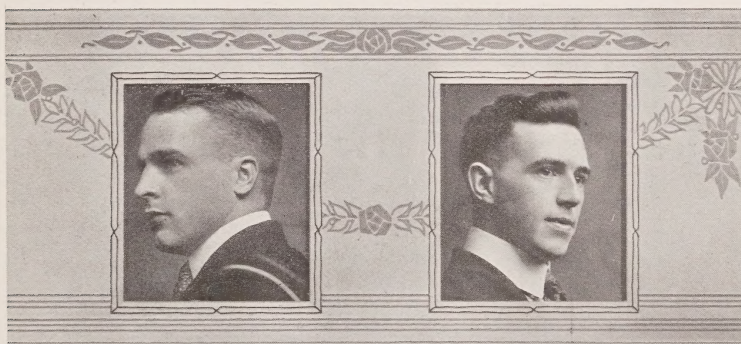
"Better late than never but better never late."

"Jonesie" was born at Carnarvon, North Wales, April 22nd, 1891. He Matric. from University of Liverpool, Eng., and entered R.C.D.S. with Class 1T7. He answered his country's call in '15, accompanying Varsity Base Hospital to Saloniki, where he was decorated by the King of Serbia. His quiet demeanor and genial manner has won him life-long friends, and a brilliant career is insured for him. He is a member of the Xi Psi Phi.

KLOPP, HUBERT F.

"He loved music, and also beauty, The night for love and the day for duty."

Born at Zurich, June 13, 1894. Matriculated from Stratford Collegiate Institute, and after graduating from Normal School wielded the birch for two years. Entered R.C.D.S. with Class '19. Member of Xi Psi Phi Fraternity.

**LAIDLAW, ALFRED.**

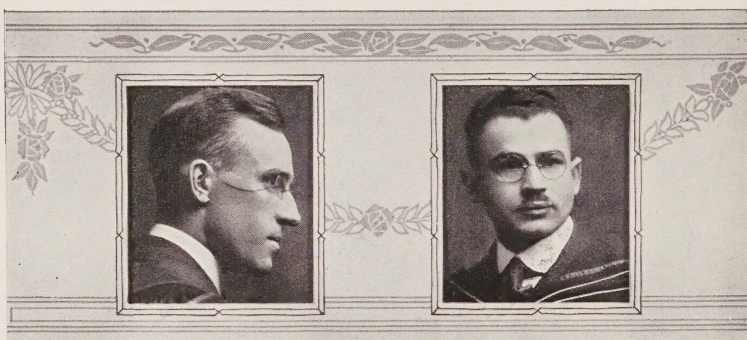
"Never trouble trouble, till trouble troubles you."

Born in Durham. Age 23. Matric. at Durham High School 1914, and entered University the same year. His "pals" at R.C.D.S. join in wishing him a successful future in his chosen profession.

LAMEY, MARTIN P.

"Men of mettle turn disappointments into help, as the oyster turns into pearl, the sands which annoy it."

Born at Hastings, Ont. Matriculated from Norwood High School. A student in Arts at U. of T. He has held many offices at R.C.D.S. and is a member of Xi Psi Phi Fraternity. Success to Martin.

**LEGATE, HARRY B.**

"Self-reverence self-knowledge,
self-control."

Wafted into Owen Sound Aug. 13, 1895. Matriculated from Owen Sound Collegiate Institute; entered Dentistry '13. President Sophomore year. Spent three years overseas with the 38th Battalion and 11th Field Ambulance. Harry was a popular member of Class '17, and has the best wishes of his friends for his future success.

LAVINE, JULIUS J.

"He came, he saw, he conquered."

"Julie" was born in the realm of the late Czar Nicholas, 1892. Crossed the "pond" and reached the "Queen City," 1904. After going through the process of acclimatization, he matriculated. Entered R.C.D.S. in 1913. Undismayed, he faced difficulties, overcame them, and in 1916 resumed his course. Representative to Torontonensis Board and Class Executive. Member of Menorah.

**LEVESQUE, GEORGE.**

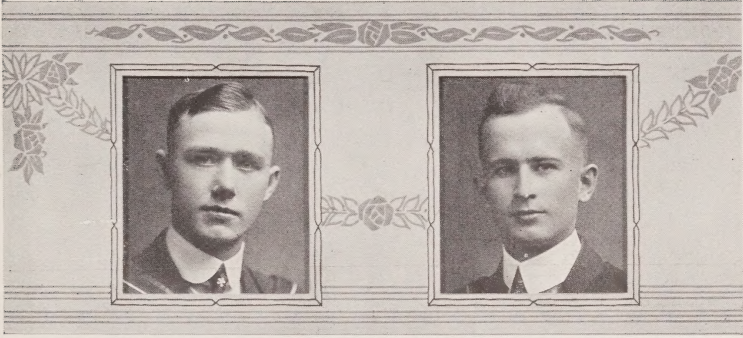
"Fide et labare valebo"

Birthplace, Sturgeon Falls. Matriculated in Ottawa University. Entered R.C.D.S. in 1915. Enlisted March, 1918, and went to England with the 67th Battery.

MACKLE, J. LAWSON.

"Fusses with patients all day and
fusses in Brampton at night."

Toronto was blessed with another burden August 28, 1895. Educated in Toronto Public School. Matriculated at Brampton, Ont., '15. Overseas '17. Secretary-Treasurer of Senior year '19. The only jam traveller of Class '19 Dental.

**MILLAN RUPERT F.**

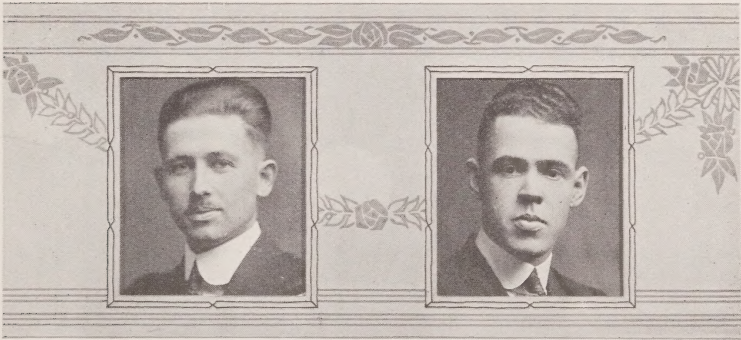
"Where honest sporting blood is found,
There also will our 'Rube' be found."

Born Kingston, May, 1895. Matriculated Regispolis College, Kingston. Entered R.C.D.S. 1915. Sergeant in C.A.D.C. since April, 1917. Well known athlete. Member O.H.A. and World's Champion Dentals 1916-17. As successful at college as at hockey. A bright and prosperous future assured him.

MILNE, JAMES A.

"If thou but pierce his reserve, a
goodly fellow thou findest."

Allan hails from the Golden West out of a place indefinitely known as Oak Lake, Manitoba. Here he received his early education, and matriculated from there in 1915. Migrating to Toronto, he entered upon the study of Dentistry. With his quiet, progressive ways, success is bound to be his.

**MITCHELL, GEORGE F.**

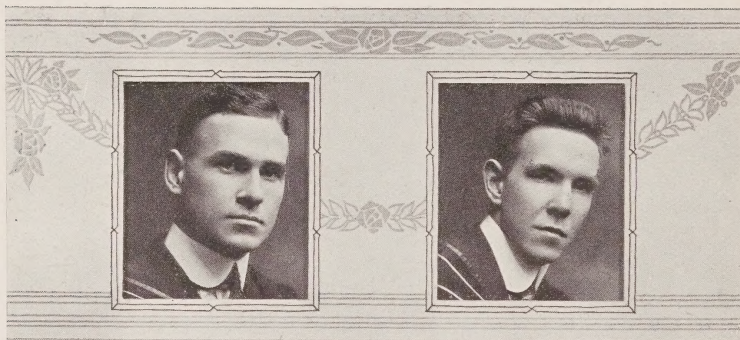
"His life was gentle, and the elements
so mixed in him that
nature might stand up and say
to all the world, 'This was a
man.'"

Born at Mono Road, Ont., George received his preparatory education at Brampton High School, but soon required a broader sphere for his mental energies, so entered R.C.D.S. with Class '19. As a Sophomore he held the office of Vice-President of his Class. Being a general favorite, both in College with the boys and out of College with the girls, a brilliant career is predicted for him.

MONTGOMERY, J. GRAHAM.

"Keeps his counsel, does his duty,
Cleaves to friends and loveth beauty."

"Major" originated in Manotick in '96. Matriculated from Kemptville High School. Commenced the study of drugs but reconsidered and enrolled in Class 1T9 Dents. Overseas in '17. His ideas being original, his final success in his chosen profession is assured.

**MOORE, STEPHEN A.**

"Methinks he is a true friend."

"Al" saw daylight first in Belleville, Feb. 19th, 1893. Matric. at B.H.S., thence to London, engaging in Business. Entered Class 1T9 Dents. Enlisted C.A.D.C. May '18. Possesses executive ability. President First year, member At-Home Committee, President Hockey, Treasurer Students' Parliament and President Athletics. Plays hockey, possesses both "T" and "D." A man with a bright future.

MORTON, J FRANCIS.

"Think first—then talk to yourself."

Frank came into this life on Dec. 7, 1897, at Bracebridge. As his lungs needed no more of Muskoka's healthy air, he was removed to Port Elgin, where he matriculated. His is a quiet, retiring disposition, and he should make a success of his chosen profession, despite the morning lectures he has missed.

**MOYER, CHARLES E.**

"Even tho' vanquished, he could argue still."

Made his first appearance on this planet in London, Ont., June 1, 1896. Received his preparatory education there, joining the R.C.D.S. with Class '19. Does delight in a quiet argument. Member of Class Executive '16-'18 and At-Home Committee '17. Leaped into instant fame as an after-dinner speaker at the Sophomore banquet. Member of the Xi Psi Phi Fraternity.

MURRAY, GORDON S.

"A man's a man for a' that."

"Gord." was born in Toronto and received his preparatory education at Jarvis Collegiate, entering R.C.D.S. with Class 1T8. He went overseas with the C.A.S.C. in spring of 1916. While attending college he has been noted for his athletic ability, playing on the champion Varsity hockey team of 1915. His many friends predict for him a successful career in his chosen profession.

**MURRAY, WILLIAM.**

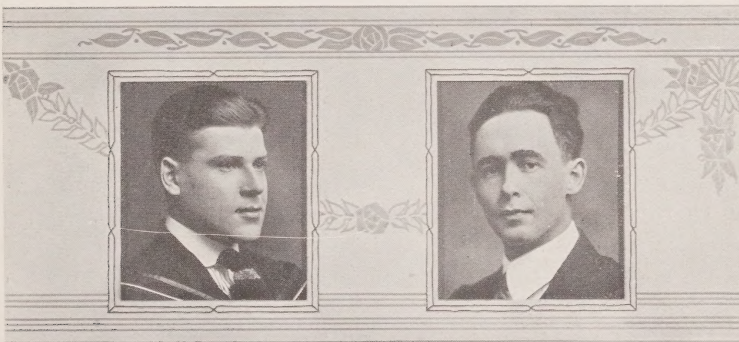
"Extract and you shall receive."

July 7, 1890. Early training at Jarvis and Niagara-on-the-Lake. Born under the Zodiac with Mars in the ascendant and joined the Dental Corps. Native of the Emerald Isle, but came hither before he attained the use of reason.

MCCANN, HERBERT J.

"Man's noblest gift to man is his sincerity."

Mac. was born at Perth, Ont. Matriculated from Ottawa College. Inclined to athletics, he was a member of the Senior Inter-Faculty Champion Soccer Team 1915-16. Of quiet disposition, but always ace-high. We predict for him a brilliant career.

**MCGOWAN, JOHN L.**

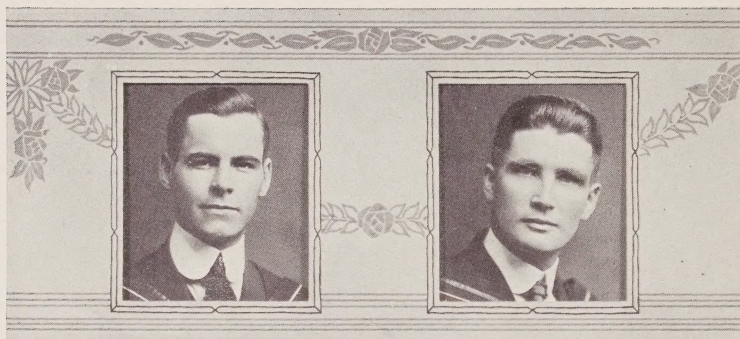
"Efficiency Plus."

"Big Mac." dropped into Niagara Falls, 1894. Harbord Collegiate, Toronto. Studied Pharmacy. Entered Dentistry. Elected Basketball Rep. '15. Ass. Bus. Mgr. Hya Yaka '16. Mgr. Basketball. President Athletics '17. Rugby Rep. '18. Big-hearted, good-natured, fine workman. Wizard at making money and friends. Lacks only a wife and an accident policy. "Carry on, Mac."

MACKAY, WILLIAM M.

"Whose little body lodged a mighty mind."

"Mickey" first winked at Sunderland, 1894. Graduated from Barrie Collegiate 1912. Entered R.C.D.S. with Class '16. Enlisted in April '16, returning in fall of '17. Suspected of being a ladies' man. Owing to his Scotch humor and "taking" ways he has won many friends in his college career. We predict a bright future.

**MACLAURIN, JOHN C.**

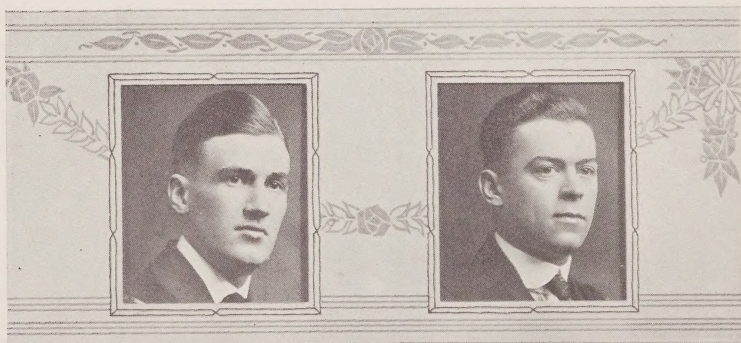
"For if he will, he will, you may depend on't,
And if he won't, he won't, and there's an end on't."

"Mac" was born in 1896 at Vankleek Hill, Ont. Started early education there, but matriculated from Woodstock College. An ardent participator in Rugby and basketball. President of basketball in Senior year. Member of Xi Psi Phi Fraternity.

McLEOD, SAMUEL M.

"Lectures be d—d, I'll have my sleep."

First required attention in Ely, Minn., but is now claimed by the Canadian West. After teaching school for a while, drifted East to learn a few things with the Class '19. Overseas 1917. Always a favorite with the boys and the town that gets Sam will be lucky.

**MACPHEE, ALEXANDER A.**

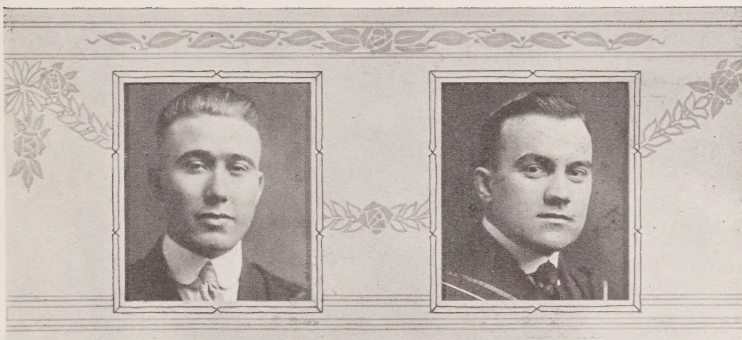
"A man's a man for a' that."

It was a cold, cold morn on the 11th Dec., 1893, at Alexandria, Ont., that his eyes were opened to this world. Completed primary school, then attended High School in same town for two years, proceeding to Ottawa University. In 1915 joined Class '19 of R.C.D.S. During which time he served a year overseas.

NORTON, A. L.

"Discretion is the better part of valor."

"Alex." was born in Oxenden, Ont., 1896, where he received his early training. Matriculated from Owen Sound High School in 1910, and entered R.C.D.S. with Class '17. Enlisted in January, 1916, and returned from overseas December, 1917, to complete his course. A prominent member of the Rugby team and a good sport.

**OKE, CHAS. R.**

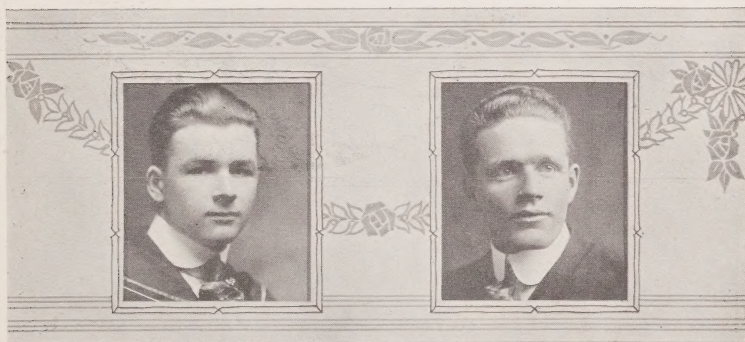
"One crowded hour of glorious life
Is worth an age without a wife."

Born Boissevain, Man., Nov. 2nd, 1894. Matriculated University Manitoba, 1913. Travelled for two years. Entered R.C.D.S. 1915. Enlisted in C.A.D.C. Feb. 1917, and accompanied same unit overseas. A life that is hard to forget.

O'LEARY, EDWARD J.

"His ready Irish w't and smile
Do all the girlies' hearts beguile."

"Killarney Rose," born St. Patrick's Day. Educated and received Matric. Ottawa University. Prominent in sporting circles in Ottawa, being a member of the famous "Rough Riders." Toured Old Country in 1912. Music and entertaining his hobby.

**OTT, BENJAMIN M.**

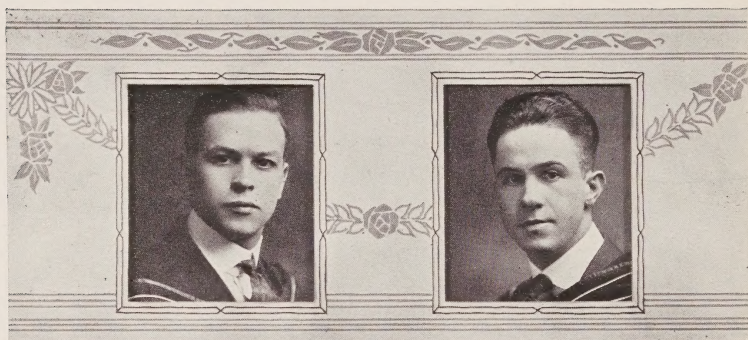
"Keeps his counsel, does his duty,
Clings to his friends, loveth beauty."

Born at Moorefield, Ont. Moved to Toronto, matriculated at Harbord C.I. 1914. Rambled a year, decided to be a "Molar Mauler" with Class 1T9. Secretary of Junior year. Secretary of R.D.S. in Senior year. A good worker, a faithful student, we predict a successful professional career for him.

PICKARD, JACK W.

"High in name and power,
Higher than both in blood
and life."

Dec. 8, 1895, saw the auspicious event at Roseland, Man. Matric. at Brandon College, 1915. Entered R.C.D.S. autumn of same year. Enlisted in C.A.D.C. Feb. 7, 1917, accompanied same unit overseas. Man of action, not of words.

**POAG, ARTHUR R.**

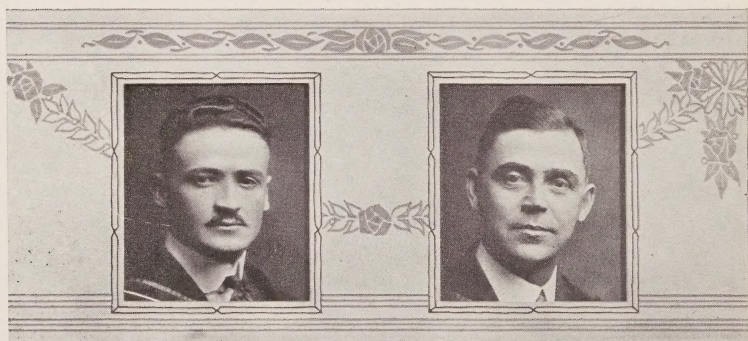
"And what he greatly thought,
he nobly dar'd."

Born in Hamilton, 1895. Matriculated from Hamilton Collegiate 1912. Spent two years "pill pounding" and started Dentistry with Class '18. Enlisted February, 1916. Returned from overseas Dec., 1917, to complete his course. President of basketball in Sophomore year, and Secretary of "At-Home Committee," Senior year. Member of Xi Psi Phi Fraternity.

POYNTZ, ARTHUR.

"Strong in will and rich in wisdom,
Supreme in judgment as in wit."

"Art" claims Belfast, Ireland, as his native place of birth. At an early age he sought to enlighten his mind in Canada, where he received his preparatory education at Harbord Collegiate, Toronto, and after six years of commercial life decided to resume his quest for knowledge, entering R.C.D.S. with Class '19. His interest in his work and his genial disposition insures his success.

**QUIGLEY, NORMAN J.**

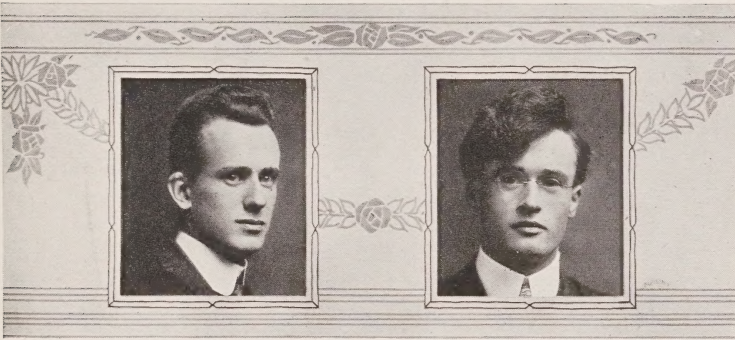
"A youth of labor in an age of ease."

January 13, 1897, Orillia. Matriculated from Orillia C.I. 1915. Biography still incomplete, but his greatest claim to fame is a monograph entitled "Waves in the 'ir'" (see photograph) for the guidance of Marconi.

RICHARDSON, SAMUEL M.

"Aide toi, et le Ciel t'aidera."

Birthplace, Belmore. Matriculated Listowel. Winner Senior Championship Medal in Athletics. Some years lumberman and Manager of Montmorency Lumber Co., Quebec. Winner Junior Curling Championship Quebec '09. Entered Dentistry '15. Member Joint Committee '15. Junior Representative Students' Council '16. Senior Representative '17. Soccer Team '17. President Sophomore and Junior years. President Parliament '18.

**ROACH, HERBERT C.**

"It matters not how long you live, but how well."

Honeywood had the honor on Jan. 29, 1897. Matriculated from Alliston High School, and entered R.C.D.S. in 1915. We wish him all the good in luck from his profession that he deserves.

ROBINSON, EARL J.

"All great men are dying, and I don't feel very well."

Earl was first discovered in St. Mary's, Ont., where he matriculated. He entered his chosen profession at the R.C.D.S. with Class '17, but dropped out two years later, continuing his course in 1917. Thoughtful and possesses common horse sense.

**RUSSELL, COLIN T.**

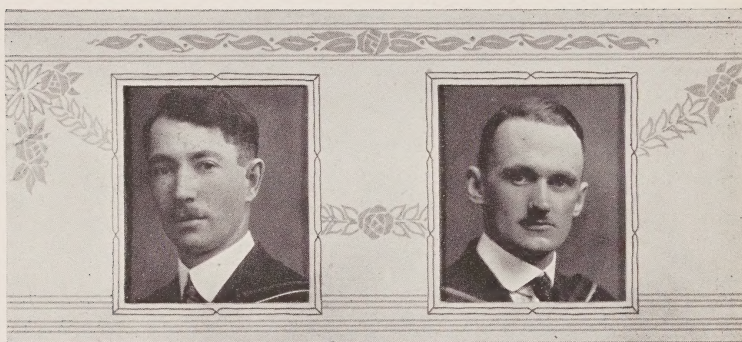
"The deepest rivers flow with the least sound."

"Russ." kept his first appointment on Feb. 10, 1890, at Owen Sound, Ont. Here he obtained his early education. Matric. Owen Sound Collegiate. "A student by day, a mystery by night, and a gentleman always."

SAUNDERS, HAROLD A.

"Cool, unperturbed by stress and hurry, Inclined to work and not to worry."

Born at Kars, Ont. Received his early education at Ottawa. Matriculated from Wesley College, Winnipeg, in 1915. His genial manner has won for him a host of friends; success is assured. A member of the Xi Psi Phi Fraternity.

**SAWYERS, WALTER L.**

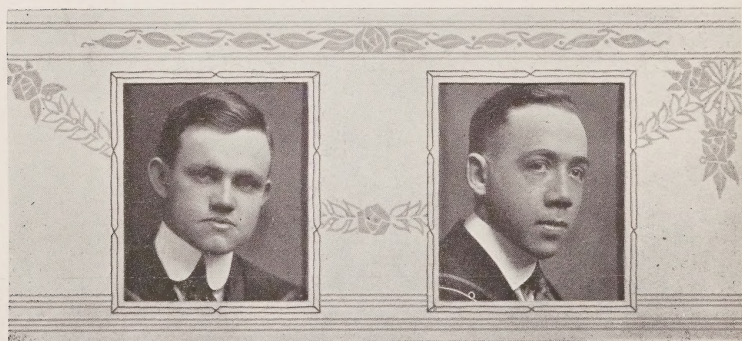
"It's a great life if you don't weaken."

In Shelburne, May 3rd, 1890, "Mike" began his earthly struggles. Matriculated from Jarvis Collegiate. Entered R.C.D.S. with Class '14. After two years the "West" claimed him. Enlisted with 52nd from Port Arthur. Served "over there" three years. Returned last year to further delve into the science and arts of Dentistry.

SHANNON, GEO. L.

"A man, it seems, of cheerful yesterdays and confident to-morrows."

Born 1893 in Dutton, Ont. Moved at an early age to Sault Ste. Marie. Received preparatory education at Soo High School. Matriculated into University of Michigan 1914. Enlisted in June, 1916. Returned from overseas for completion of studies. Entered R.C.D.S. spring of 1918. Member of Xi Psi Phi Fraternity.

**SHORTREED, ROY D.**

"Knowledge, like our blood, must circulate."

And burning with the glorious flame of public virtue, Short. came to Guelph on Nov. 14, 1894. There he spent the early part of his life and obtained his education before entering the R.C.D.S. as one of the jolly boys of the 1T9 Class.

SIRRS, GEO. A.

"Many are called but few get up, Especially in the morning."

Born at Walkerton, Ont., 1895. Primary education at Chesley. Matriculated from North Toronto Collegiate 1912. Entered R.C.D.S. with Class '18. Enlisted with Motor Transports Feb. 1916, and returned from overseas Dec. 1917, to complete his Dental studies. Prominent member of the Rugby team and a great follower of sports.

**SLONE, ABRAM.**

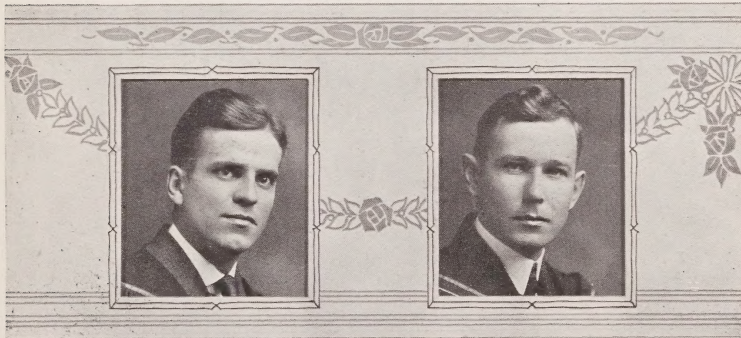
"But he, while his companions slept,
Was toiling upward in the night."

Abe had his first experience with teeth in Lithuania, 1893. In 1904 he concluded that the ideal profession should be practised in the ideal land and came to Canada. Public School, Ottawa; Matric. Toronto; Dental Representative to Menorh and Hya Yaka staff '18; Business Manager Hya Yaka '19.

SMITH, EARL P.

"Self-reverence, self-knowledge, self-control, these alone lead life to sovereign power."

Smithy was born in the County of Brant. He received his Public and High School education at Brantford, matriculating 1915. He entered Dentistry with Class '19. His never-failing cheerfulness and his willingness to help all will make his path easy in the profession he has chosen.

**SMITH, W. HARRY.**

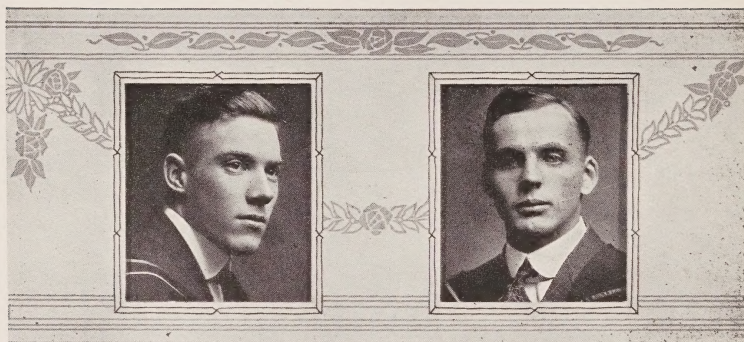
"God bless the man that first
discovered sleep."

The stork agreed to May 10, 1897. Claims Chesterville, Ont., as his birthplace. Early education in the local schools and was lured to Toronto to enter R.C.D.S. with Class '19. At-Home Committee '15. Inter-Faculty Hockey, 1916-17-18.

SMYTH, WILSON D.

"Always cheery, always bright,
Never weary, never tight."

Enter Wilson. Born—yes. Where—London, Ont. Education—London Collegiate, Western University for two years and then to 'Vars'ity in the Fall of '15. Activities:—1, Sports. 2, More Sports. Won his "T" for Soccer, being a member of the championship team of 1916-1917, 1917-1918.

**STAPLES, LOUIS W.**

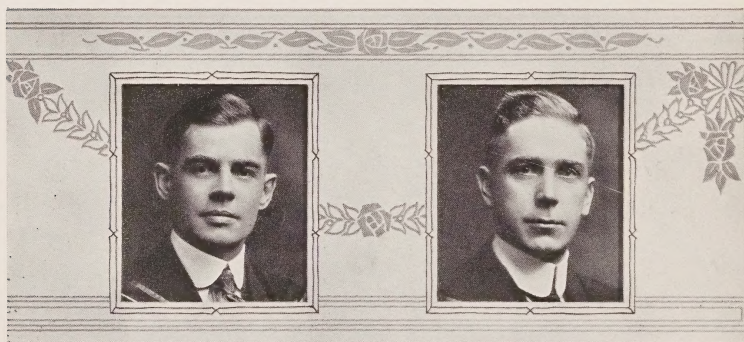
"A good companion and as firm a friend."

Lou kicked first in St. Kitts, June 12, 1896. Sojourned in Kingston, matriculated in Woodstock and joined Class 1T9 Dents. Prominent in athletics, plays hockey and rugby. Member Championship Jennings Cup Hockey Team. Possesses both "T" and "D." Vice-President At-Home Committee, Sporting Editor Hya Yaka, member Xi Psi Phi Fraternity. Success assured.

STEWART, CHARLES E.

"A clean living sport."

First lulled to sleep at Carleton Place, Ont., Nov. 13, 1895. Moved to Kingston and received early education, where he distinguished himself at all kinds of sport. Since coming to Toronto, has played Rugby in the Inter-Faculty O.R.F.U. and Senior O.H.A., showing his guardian abilities when Dentials won the O.H.A. and Allan Cup in the winter of 1917. One of the best in the business; may the same success follow him.

**STEWART, JAMES L.**

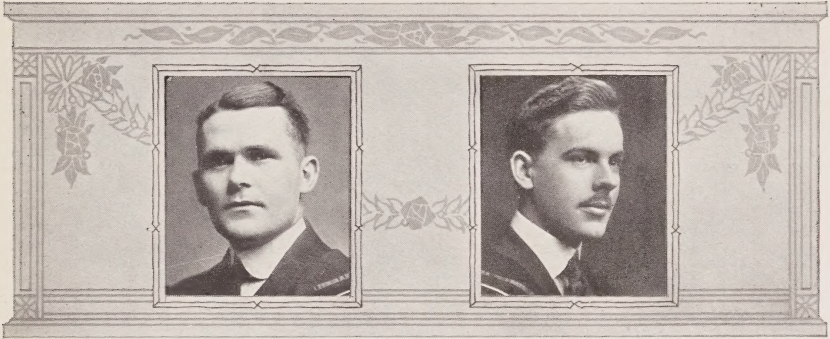
"Cool as an icicle and as determined as the rock it hangs upon."

Born Carleton Place, Ont., '94. Received his early education at Kingston. "Jim-mie" has always been prominent in sports, playing on championship teams, both in Kingston and Dental College; captained Dental hockey team—world's amateur champions, 1916. In Dental Corps two years, while in his final year he holds the position of President of the Class.

WATSON, RAYMOND M.

"A good companion and as fine a friend."

Ray. claims Priceville, Ont., for his birthplace, although he received his primary education at Shelburne. Matriculated from Harbord Collegiate, Toronto. After a banking experience of six years he decided on Dentistry with Class 1T9. In his chosen profession he is a most conscientious worker, which, combined with his quiet, yet genial disposition, is sure to find for him an open field for success and happiness.

**WRIGHT, ROY A.**

"Where'er he met a stranger,
There he left a friend."

"Roy" says he discovered London 25 years ago. Matriculated from London Collegiate. Member of Western University Rugby Team, Junior Champions of Canada. Also good hockey and baseball player. Entered Dentistry in Class 1T9. For two years Junior Representative of Students' Administrative Council. His past foretells a brilliant future.

WOOD, ARTHUR D.

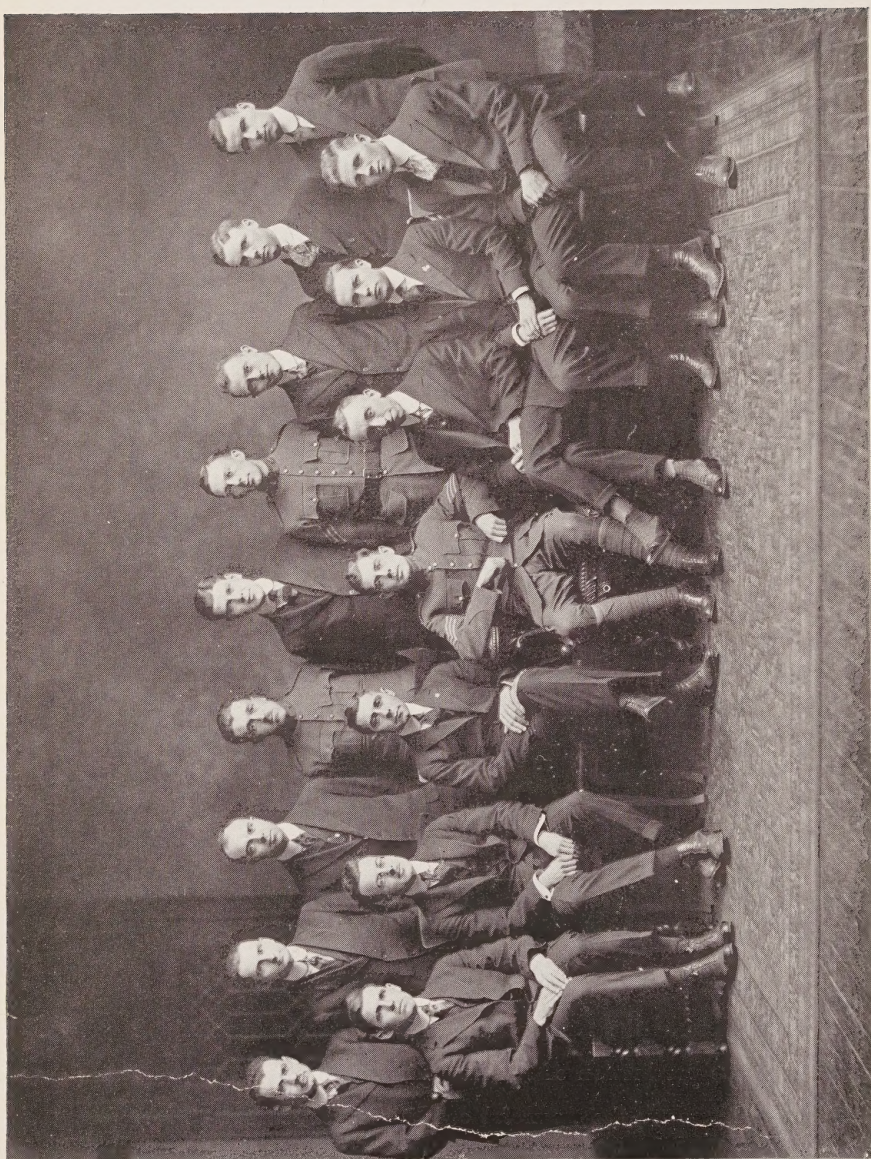
"He loves music, mirth and laughter,
A singsong first and ladies after."

Oct. 28, 1895, saw his genesis at Hillsborough, N.B. Graduated Aberdeen High School, Moncton, N.B. Matriculated at University New Brunswick. Attended first three years of his course at Dalhousie University, Halifax, N.S. Secretary "Glee Club" '16. Came to R.C.D.S. fall of 1918. He was never at the start, but always at the finish. He always bears a smile and should make good.



A WORD OF APPRECIATION.

The Editor-in-chief wishes to express his appreciation of the co-operation and willing assistance shown by the members of the Hya Yaka staff during the term, whose earnest efforts have aided so materially in the production of the magazine. Through the work of our Business Manager the financial condition of the journal has considerably improved. The assistance and interest of the members of the Faculty and students have also contributed largely to the success of the magazine.



Royal College of Dental Surgeons, Fourth Year Class Executive and Representatives, 1918-19: Top row—J. J. Lavine, Torontonensis; T. C. Clence, Picture Committee; S. S. Crouch, Torontonensis; R. A. Hart, Track; J. L. McGowan, Rugby; W. L. L. Hughli, Picture Committee; H. A. Saunders, R.D.S.; A. M. Hord, Hockey; J. C. McLaurin, Basketball. Bottom row—H. J. McCann, Soccer; E. C. Moyet, Decorating Committee; R. L. Des Rosiers, Vice-President; J. L. Stewart, President; J. L. Mackle, Secretary-Treasurer; A. R. Joag, Treasurer "At-Home" Committee; H. Johnston, Secretary "At-Home" Committee.

HISTORY OF CLASS 1T9.

The last week of September, 1915, saw the gathering together from all parts of the Dominion of Class 1T9, R.C.D.S. It consisted of 107 men and one fair Freshette, who was soon discouraged in the race.

We were as verdant as we looked, "only more so." We suffered the usual indignities at the hands of the insufferable Sophs; were lectured at 5 p.m. "according to Hoyle" by the Dean; and were welcomed by the Y.M.C.A. Then began our initiation into the art of mixing plaster "to a creamy consistency," the sawing and filing of ivory which brought household knives and Dad's old saw into great demand, and the other kindred delights assigned to the poor "Frosh." "Them was the days," indeed; well do Blondin and Shortreed remember Dr. Graham in 8 p.m. Histology lectures.

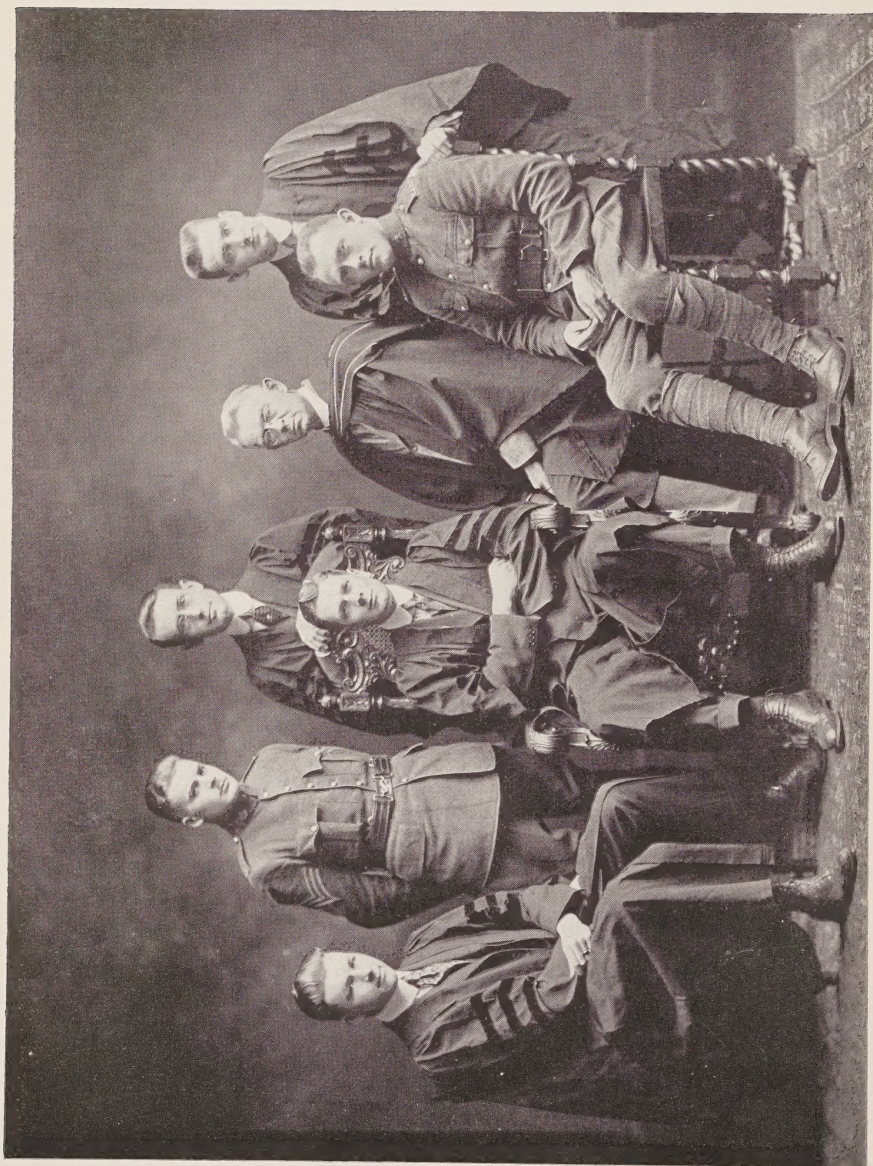
For the first time in the known history of the R.C.D.S. there was no Freshman-Sophomore "scrap," owing to war conditions; but our surplus energy was expended in—"Form fours—right. Qui-ick-March," under Dr. Willmott and "His Nibs," Capt. Henderson, the never-to-be-forgotten commander of L Co. There was no compulsory Drill then, but those who attended enjoyed the work, especially the Field Days up over Bathurst Hill.

The annual Freshman-Sophomore dinner was a "howling success."

Christmas, 1915, saw the departure of a few men for "over there," and from then on there was a steady enlistment. A total of 74 out of 107 have worn the khaki of the C.E.F.

On the whole, we were a hard working Freshman class, however, most of the members have recovered from that state long since.

On April 26, 1916, we completed our Freshman days, and in October returned to 240 College Street as "Lordly Sophomores," 75 in number. On account of the Summer Class for Juniors and Seniors in 1916, we were hurried along in both theoretical and



Royal Dental Society Executive, 1918-19: Top row—W. W. Race, Junior Year, Sgt. Class; A. O. Derbyshire, Sophomore Year; Dr. W. E. Willmott, Honorary President; C. M. Snelgrove, Freshman Year. Bottom row—B. M. Ott, Secretary-Treasurer; L. G. Fraser, President; H. A. Saunders, Senior Year. Absent—J. F. Giffen, Junior Year.

laboratory work in order to be prepared to enter the Infirmary early in our Junior year.

We have mentioned being "Lordly Sophs," but in those mornings in the Fall of '16 much of the lordliness vanished when the Dean undertook to tell us all we did not know, and never would be capable of learning, about the mysteries of Operative Dentistry.

Fond memory recalls the delightful afternoons spent in dissection under Dr. Risdon's kindly direction—a little dark meat, if you please—pass it around. In spite of this we had no loss of appetite for the banquet tendered the Freshmen.

After Christmas a special military class was formed and to make room for it we were promoted to the Junior Laboratory, generally to our satisfaction, there being one flight less of stairs to mount with our paraphernalia of engine, case, etc.

A call came for twenty sergeants for the Dental Corps. These were obtained without trouble. Before the term closed several more enlisted, so that only about fifty wrote the Spring examinations.

In September, 1917, about fifty men were placed in the Junior Class, some of whom had returned from overseas, having started in other classes. About November first the advanced men of the class started operations in the Infirmary. Between November and Christmas the strength of the class was increased to eighty by the return of thirty men from overseas to complete their course.

The Board of Directors passed a rule that every student should take military drill during the session. This was carried out by the students' constant well-wisher, Dr. Willmott.

Those few of the class who were left and who were physically fit to be called out under the M.S.A., were sent back to College in October, 1918, to graduate. In fact, we were also glad to welcome many of our Freshmen classmates, as all Dental students were returned from France, England and Canada to go on with their studies. Many returned after nearly three years' service, and we

THE CABINET
 ROYAL COLLEGE OF DENTAL SURGEONS
 Executive Body of the Students Parliament

1918-19



MR. STEWART
 President Senior Year



MR. MOORE
 President of Athletics



MR. DAVIES
 President of Art Home



MR. FERGUSON
 President of Y.M.C.A.



MR. HOAG
 Editor in Chief of Hya Yaka



MR. MCARTHUR
 Governor of Parliament



MR. BELL
 Treasurer of Parliament



MR. BLACK
 President Sophomore Year



MR. McDONALD
 President Freshman Year



MR. FRASER
 President of R.D.S.



MR. MACARTHUR
 President Junior Year of Parliament

are proud indeed to announce that both Howson and Snell wear the Military Medal, and O'Rourke was recommended for the V.C.

In November, Farmer Bros. commenced risking their camera and reputation in taking the graduation photographs for insertion in *Torontonensis*. We are sure they did their best—a great deal is said to depend on the subject, in spite of the retoucher—"Nuff sed."

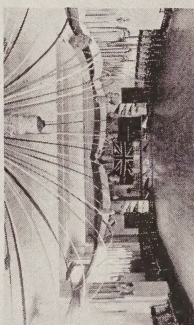
As the dark December days drew 'round it appeared extremely difficult for many men to get to morning lectures, in spite of the excellent entertainments provided by Professors Webster and Clarkson, and Col. Hume's "still life movies." Those few who attended appeared remarkably like those in our picture—just a "wee bit groggy."

But with the Christmas vacation and term examinations over, we started in with a will to make the "last lap" the best, to make the grade at the Spring finals, to get our allotted amount of Infirmary work accomplished, and to enjoy ourselves as a class for the last time. Never again to be all together is a sobering thought, but—"away dull care, we would be merry now."

In sports very many of our men have excelled; professionally Class 1T9 will equal or surpass other classes; in playing the game of life they will act like gentlemen and true sportsmen. The "best o' luck to Class 1T9."

"Life is before you; from the fated road
You cannot turn; then take ye up the load.
Not ours to tread, nor leave the unknown way;
Ye must go o'er it, meet ye what ye may."





THE NINETEEN NINETEENERS.

Poem of Class 1T9, R.C.D.S. By Hya Yaka Staff.

We're the Nineteen Nineteeners, and proud of our name,
Who from distant dwellings to Toronto came;
Once strangers, we've now become warm friends and chums,
And hope that of knowledge we've picked up some crumbs.

From Brandon, Kingston, and Ottawa too,
We gathered, our studies and games to pursue;
And Rockland and Strathroy and Whatham are here,
While Owen Sound, Brampton, Hamilton appear.

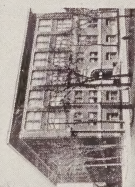
'Twas Brandon who sent us Slim Dickson, a boy
Who finds in the lactail fluid his joy.
It sent us Carrothers, Pickard, and Red,
Who are always well groomed, well dressed and well fed.

Then Moose Jaw sent us her Arthur to play—
You see his name Chegwin—he's worked every day;
Art Poag from Hamilton joined with us, too,
Best methods to master—he'll follow them through.

Louis Staples from Woodstock, our hockey chief he,
And trimmed St. Mike's College and brave F.O.E.
Gord. Murray and Roguish Montgomery add
Their names to that list—and not one is a cad.

Thence also Al. Jones, Ray Watson came—
The latter aforetime has won a good name.
Also Earl Smith and Frank Morton too,
With Genial Bill Hayes who never gets blue.

A Stewart's our President, and his name is Jim.
With him are from Kingston half a dozen like him.
Two Stewarts, the sensible Chauncey and Rube,
And Kieth and Robert, who are Morrisburg dudes.



ROYAL COLLEGE OF DENTAL SURGEONS
1918-19
HYA YAKA STAFF

Wm. Freshman Year.

Assistant Sporting Editor

1868

Art. Poyntz and George with bonny bright face
Alvin Hord and Drewbrook, both of good race.
Harold Johnston, Hubert Klopp and Ike Harvey bean,
Who never was afraid to go home and be seen.

Vic Gardiner, Ralph Hall and Swift MacLaurin,
Also Walter Alston, a youth well shorn.
Martin Lamey and Herb McCann came in a hurry
To Toronto Dental College and so did Bill Murray.

Aime Couture from Hull, a mighty fine boy,
Who with Gravel the show did enjoy.
And so did Dunc. Ferguson, whose merry blue eyes
Some day a fair lady will win for his prize.

Good London gave us just three of her sons
(So many are "over there," chasing the Huns),
They're young Charles Moyer, rare Al. Moore,
And Rosy Roy Wright, for whom nothing seems poor.

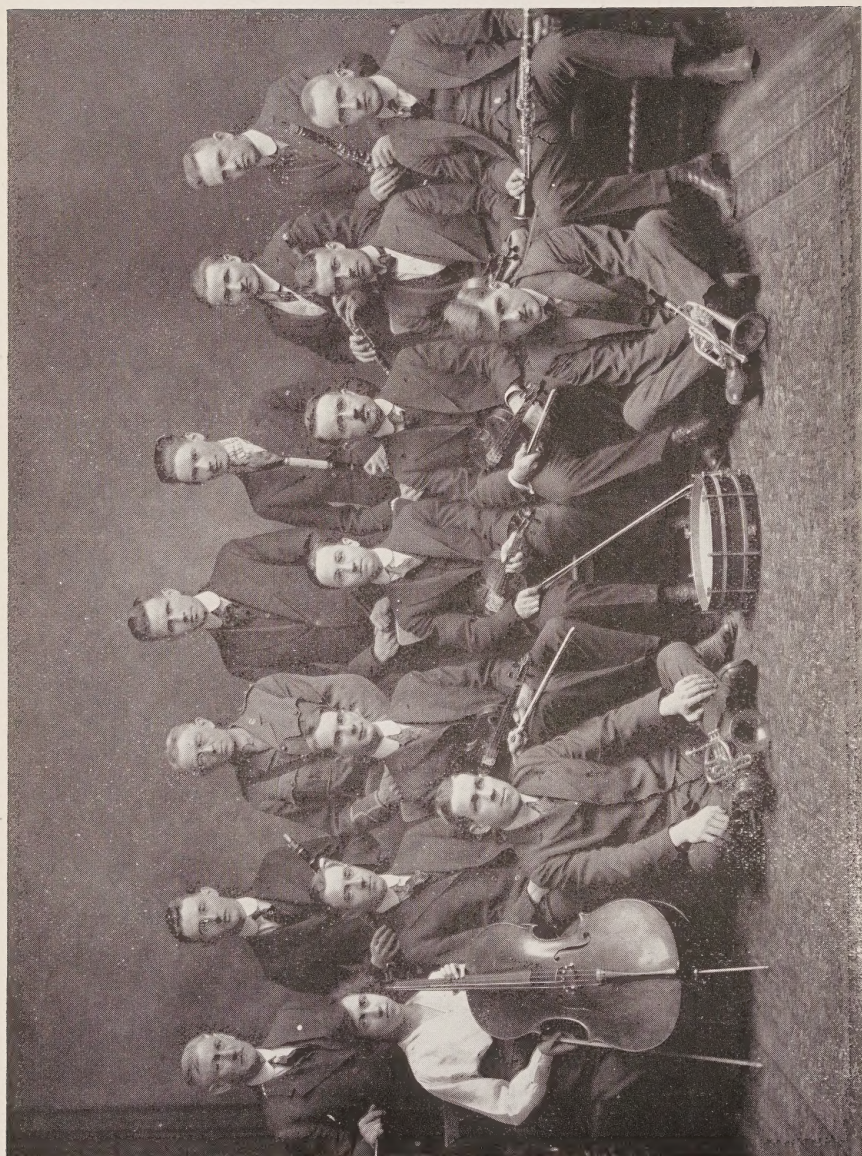
Oke from Boissevain, pomologist he,
And bright as they make them, as any can see;
So's Ed. O'Leary and "Earl" too all right,
Whose form to set forth would a sculptor delight.

From Alexandria Archie McPhee hails, we are told,
The son of counsellor, popular, bold;
So does Wilson Smyth, who, like all the rest,
At work or at play has, while here, done his best.

Our school now is over, we'll soon be back home,
For those who've been putting some sense in each dome—
Our teachers—we mean Drs. Webster and Cummer—
Three cheers and a tiger—and make it a hummer.

Dr. Willmott (taking up alcohol)—Whether the exhilaration of
the night before is worth the morning after is a question.

Several voices from the rear—Sure.



Royal College of Dental Surgeons Orchestra: Top row—T. B. Jones; A. J. Butler, '21; W. E. Willmott, D.D.S., Honorary President; D. M. Flett, '19, President; C. J. Mahoney, '20; C. B. Wilson, '21; H. G. Brownlee, '20; Middle row—Miss M. A. Khissman, '21, Librarian; H. L. Liesemer, '21, Vice-President; S. R. Dickson, '19, Conductor; A. Con- ture, '19, Secretary-Treasurer; H. A. Ross, '20; S. W. Kemp, '20; R. R. Forber, '21. Bottom row—C. W. Asselstine, '21; J. F. Roberts, '21.

THE NEWMAN DENTAL SOCIETY.

The Newman Dental Society was organized last November by members of Newman Club belonging to the Dental Faculty. During the past year the Executive of Newman Club encouraged the members to form Societies of their respective faculties. This move received the staunch support of all the members, and consequently the Dental students put forth every effort to make their organization a success.

At their first meeting an Executive was elected which consisted of President, Mr. Martin Lamey, '19; Secretary, Mr. A. W. Grace, '20; Treasurer, Mr. R. L. Des Rosiers, '19, and Messrs. W. J. Armstrong and J. A. Dietrich, representatives of the Sophomore and Freshman years. Dr. Cummer, to whom the members are greatly indebted for his earnestness and interest, was elected Honorary President.

This society during the past Fall and Winter held a lecture every month and were favored by addresses given to them by prominent dentists of this city. At these meetings every Dental student of the R.C.D.S. was cordially invited, and also all members of Newman Club.

Under the auspices of the embryo dentists a dance was held last December in the club rooms, which proved a success in every way. The receipts of the dance went towards a dental library fund. This fund is at present well under way and next Fall the library of Newman Hall will contain a dental section where books relating to every phase of dentistry will be at the disposal of the members.

At the general elections of Newman Hall, which were held on Sunday, April 6th, Mr. A. W. Grace, '20, was elected President of the club. Mr. Grace is the first Dental student to hold this office, and without doubt will receive the support of the Dental students of Newman Club in order to make 1919-20 a banner year for Newman Hall.



Dental College Soccer Team, Inter-Faculty Champions, Holders of the Cup for 1918-19: Top row—D. J. Ferguson, Inside Left; F. A. Butler, Left Half; J. L. McGowan, President of Athletics; Dr. Willmott, Hon. President; C. L. Griffin, Goal; H. Adams, Outside Right. Middle row—A. E. Barnaby, Left Half; L. G. Fraser, Left Full Back; S. W. Sproule, Inside Right (Captain); W. D. Smyth, Right Full Back; H. R. Day, Centre. Bottom row—F. W. Edwards, Outside Left; R. R. Forbes, Centre Half.

WEDDING.

Snell—Ferguson.

At Toronto, Monday, March 17th, 1919, Miss Frances Annetta Ferguson, daughter of Mr. William Ferguson of Southampton, Ont., was united in marriage to G. Hilman Snell, '21. The young couple are residing at 320 Huron Street. The Hya Yaka extends to them its congratulations and wishes them every success for the future.

OBITUARY.

Death of R. W. A. Robinson.

Death has once again visited the ranks of '21. Amid the gaiety and pleasant expectations surrounding the last few days of the College term has come the sad news of the very sudden death of one of our comrades, Robert W. A. Robinson, who died of pneumonia on Saturday morning, April 26, at his home, 156 Morse Street, Toronto.

"Robby," who was in his twentieth year, had felt very miserable during the week previous to his decease, but did not anticipate any serious developments until Thursday, and by that time the disease had progressed so far that recovery was impossible. The College will miss him very much, for he was a young man of sterling qualities, great mental capacity and full of enthusiasm and energy. Last year he was secretary-treasurer of the class, and the fellows will always remember him as the originator of the '21 yell. He was the sole companion of his sorrowing father, who lost his wife about a year and a half ago and who is now left alone.

The funeral was held on Tuesday, April 29th, with services first at the house and later at St. Clement's Church, from whence the body was removed to Norway Cemetery. The students showed their sympathy by a large attendance at the services, and some of his student chums acted as pall-bearers. His year also provided a suitable floral tribute.

The absence of "Robbie's" cheery presence around the corridors

and lecture rooms will be very much felt. It is hard indeed for us to understand why such a brilliant young life should be cut off so suddenly, but we must realize that it is all for the best and that his purpose in life has been fulfilled.

Our heartfelt sympathy goes out to the father, relatives and friends in their sad bereavement.

THE PHILOSOPHY OF LIFE.

Did it ever occur to you that a man's life is full of crosses and temptations?

He comes into the world without his consent and goes out of it against his will, and the trip between is exceedingly rocky. The rule of contraries is one of the features of the trip.

When he is little, the big girls kiss him; when he is big, the little girls kiss him. If he's poor he's a bad manager; if he's rich he's dishonest. If he needs credit, he can't get it; if he's prosperous, everyone wants to do him a favor.

If he is in politics, it's for graft; if he's out of politics he is no good to his country. If he doesn't give to charity he's a stingy cuss; if he does, it's for show. If he is actively religious, he is a hypocrite; if he takes no interest in religion he is a hardened sinner. If he gives affection he is a soft specimen; if he cares for no one, he is cold-blooded. If he dies young there was a great future before him; if he lives to an old age, he missed his calling.

If you save money you're a grouch,
If you spend it you're a loafer,
If you get it you're a grafter,
If you can't get it you're a bum,
So what's the use of worrying?

THE HYA YAKA

A JOURNAL PUBLISHED MONTHLY BY THE STUDENTS OF THE ROYAL
COLLEGE OF DENTAL SURGEONS OF ONTARIO.

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Asst. Business Manager—J. LAPP, '20.

2nd Associate Editor—G. AGNEW, '21.

Sporting Editor—L. STAPLES, '19.

Local Editor—D. J. FERGUSON, '19.

Asst. Sporting Editors { R. HILLIS, '20
 { L. MILLER, '20.

Local Freshman { I. T. BRILL, '22.

Representatives { S. BRAUND, '22.

Cartoonist—I. M. BEN EZRA, B. A., '20.

Local and Exchange Editor—G. L. MCGOWAN.

Social Editor - LLOYD MILLER

Vol. XVIII.

Toronto, May, 1919

No. 5

Editorials

The closing College term sees the departure of still another class of graduates from the R.C.D.S.—one of the largest in the history of the College. Three years ago the majority of the class were Freshmen looking forward with dim visions to the time in the uncertain future when we should have attained the dignified position of Seniors. The Spring of '16 saw the departure of several of our classmates who joined the 67th Battery and other units. On various occasions, rumors spread abroad concerning Summer courses, etc., but we are graduating at the regular time with chiefly Nineteeners and a few others who have become amalgam-ated.

How quickly the time has passed. The long-looked-for time of graduation has become a reality. We are passing out into a large sphere of usefulness and service in a profession which is second to no other; a profession which during the past few years has made such rapid progress that the public now recognize it to be one of the greatest benefactions of mankind, if rightly practised. Unfortunately there are a few older practitioners who think dentistry as it is taught to be entirely different from dentistry as it is practised, and it is up to the profession, especially the more recent undergraduates, by

applying the basic principles learned while undergraduates to aid these men to obtain a larger perspective of the profession.

Many of us will look back upon our undergraduate days as the best and most pleasant of our lives. The friendships and associations formed during that time will long remain deeply rooted in our memories. Although our last year has been our busiest, it has been the best. During this year, we have been brought into closer contact with our faculty. Instead of the learned pedagogues which we had pictured them in our Freshman days, we found them true friends, congenial companions, not only ready and willing at all times to assist us when in difficulty, but prepared to forego the pleasures of a vacation during last Summer in order that a large number of dental practitioners might be provided to meet the exigencies of the time. We leave our Alma Mater with mingled feelings of gladness and regret, glad to pass beyond the bounds of restraint yet sorry to bid farewell to an institution which has meant so much to us. The formation of an Alumni Association has been considered at various times and it is hoped that in the near future definite plans may be formed in order that an element of loyalty to our Alma Mater may be crystallized and another medium provided whereby each graduate may keep in touch with the later developments in dental science.

Now that the war is over and the C.A.D.C. has sufficient men to look after demobilization, the graduating members intend putting out their "shingle" or taking a position as assistant to some older practitioner. Whatever the choice, we should make good, for we have had more infirmity experience than any class graduating before us. Here's wishing each member every success in his chosen profession after four years of College life during war time.

TO THE UNDERGRADUATE.

Such comment as may be ventured by us of mere embryonic experience, will doubtless have the same effect upon an undergraduate as advice given by an experienced professor to his students, who made the statement that in 99.9 per cent. of cases it was never accepted. Yet we cannot allow our College chums to go unnoticed, however. First of all we wish to state that at present we are going

to blithely forget our careless past and yet point out the extravagances and resuscitate memories of peremptory nature.

Every undergraduate should fortify himself with an insurance policy which will protect his investment in his course of studies. Having so disposed of his financial burden his task shall be to get returns for investment. Let us say that the investment here is not an insurance policy that is merely a protection, but his investment in his expense of his college training. This investment shall bear dividends declared daily and perennially in as much what we put into it, so much plus the dividends shall we get out of it. It would be further commendable to state that "waste of time, energy and material are the direct results of a careless, thoughtless, theatre, socially inclined, fiction loving, undergraduate." This abberates from concentration of mind and utilization of time, recreation and study, and leads us blindly into realms of nothingness, superficiality and driftless habits.

Having thus regulated a timetable of regular habits allowing for recreation and industry, combined with the pleasurable satisfaction of an easy conscience, the hot days of the Summer course will pass more cheerfully, and less arduously.

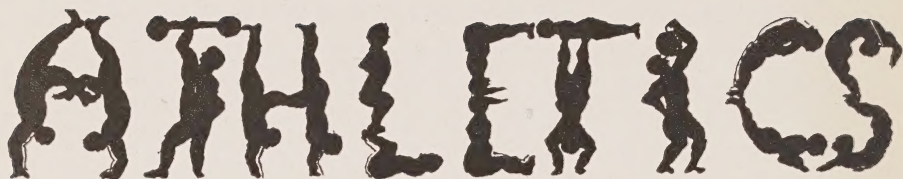
Having all habits now as fixed as the stars, you shall have more time to ramble in quest of your natural desires or hobbies.

Every undergraduate, who persists in burning the savoring weed in the lower locker room is liable to be brought before the high courts of justice in the board room. To him let us cast a life-preserver and save him "ten" by telling the "Faculty" it will never occur again. He has perhaps not learned that some of our faculty are possessed of keen nerves of smell and twitching nostrils, which can detect the use of tobacco, even though several floors distant, and let us not forget what "Opie" told us, "that social recognition helps a gambler as much in the South as religion helps a banker in the North," and that you will require both for your future success, as of the true metal of the dental profession.

Class '19 are proud of the fact that among its members are four first T holders: "Al" Moore, "Lou" Staples, A. Poag, and W. H. Smith.

It is rumored in the Infirmary that Ross (Jr.) is demonstrating to the Seniors how to cause hemorrhages.

Query: Where did our Editor-in-chief spend his Easter vacation?



HOCKEY BIOGRAPHIES.

Once again the Dents have been successful in retaining their hold on the Jennings Cup. This year we hold the distinction of going through the entire series without a defeat.

Winn. Right wing. Played his first hockey with New Hamburg High School, and in 1913-15 played Junior O.H.A. for that town. Was found with Woodstock College in 1915-16. With Dents the past three seasons.

Countryman. Defence. Started with Morrisburg Collegiate team and while attending Queen's University played Junior Intercollegiate hockey. In 1916-17 turned out with the Swift Current team, Sask. On last year's championship team. Holds both first and second colors.

Holmes. Found in all lines of good, healthy sport. A star at rugby, hockey and lacrosse. His hockey career is as follows: '12, '13, '14, Dents; Beaches League, Orangeville; '19, Dents. Granted first colors in 1914.

Colbeck. Played first in Dunnville and while attending Woodstock College played Junior O.H.A. In 1916 played for Junior Dents in the Jennings Cup series. Overseas two years. This year held down centre position and despite lack of practice and condition showed flashes of his old-time form.

Smith, W. H. Learned the game in Chesterville. Has played for Dents the last three seasons. Played left wing for last year's champions and was awarded his "T." Captain of this year's team and the fastest skater in the series.

Dobbs. Discovered in the Leeds County Hockey League. Played

with Athens champions; '18, '19, played for Dents, Jennings Cup champions.

Dales. Centre. Diminutive in stature, but strong for goals. "Alldie" played shinny up home in Drayton and was a member of last year's team.

The Honor Roll.

Hockey, first colors: Moore, S. A., '19; Smith, W. H., '19; Countryman, J. G., '20.

Basketball, first colors: Poag, A. R., '19.



If a **detergent** you'd have, peroxide, lime, or soap.

Lime is also **antacid**, magnesia too, I hope.

Hemostatics stop the flow of blood and ergot is first rate.

Zinc chlorid is a styptic and alum is its mate.

Sedatives will help your pains, so do not be misled. } Also
Aconite will ease your nerves and aspirin your head. } **Antipyretics.**

Phenosulphuric acid, phenol, cresol too,

Are **Antiseptics**, **disinfectants**, **caustics**. Savez-vous?

Now for some **astringents** that make your skin look less

Tannic, zinc or silver will do the trick I guess.

Oil of cloves a **carminative**, also an **anodyne**.

Analgesics!—phenol, menthol, or creosote act fine.

Capsicum or Iodin will **counterirritate**.

Likewise potassium iodid or mercury **alterate**.

Take a dose of camphor if you should take a fit (**antispasmodic**).

On the other hand take mercury is you think you'd like to spit.

(**Sialagogue**).

If you think you need a sleep all bromids are **hypnotic**,

But should you want to go half way then ether is **narcotic**.

Acacia is **demulcent** and soothes where'er applied,

But did you ever smell **deodor** of formaldehyde?

Locals

Percy ('22)—Did you hear about Okun. He shot his fingers off shooting crap.

Joe ('22)—How's that?

Percy—The dice were loaded.

Things we never see:

1. A student leaving the College without a white tinge about the lower extremity of his pants.

2. A Freshette who is not acquainted with a Senior.

3. The Sophs carry out all their threats against the Fresh.

4. The demonstrator.

5. Certain industrious Freshmen taking a holiday (attention west corner).

6. McMulkin with a spot on his lab. coat.

7. Yack loafing.

8. Tyson ahead of the class.

9. Dietrich in the background when an argument is in progress.

10. A Junior in the Freshman lab. more than two minutes.

11. Lee controlling his laughing organs.

12. Dr. Coon lecture without "knocking" some poor unfortunate "Frosh."

13. Freshman lab. without Lyons on a searching tour.

Art ('22)—Is there any more rubber, Dr.?

Dr. Watson—No; that's all there is. There isn't any more.

Bugs—Gee, dat fellow must have a big mouth.

Nuts—Why?

Bugs—I just heard a dentist say he was goin' to put a bridge in it.

“Holiday” is becoming a thing of the past. One short look into the Freshman lab. would be sufficient to recognize the present condition of affairs. Brows are wrinkled and a slight grey tinge is visible on many heads throughout the room. The cause is clearly known.

Mac ('22)—Why is a Freshman like a maple tree?

Red ('22)—Don't know.

Mac—He's always being tapped.

Who are the two pompadour Juniors so often seen on College in the Grace Street locality?

T. Marshal ('21), waiting to get in Agnew's locker—Say, Freitag, do you know Agnew's combination?

Freitag—B.V.D. I think.

Adams ('21)—I thought it was hooks and eyes.

April 1st.—A notable event took place. The ladies of 2T1 were on time. Sockett late as usual.

Armstrong ('21)—Did you hear about Sockett on the operative paper?

McGowan ('21)—No.

Armstrong—Why, they asked a question, “Where do you find caries?” and Sockett put down “Corner of Queen and Yonge.”

Grinovsky—Have you see my mica?

Zimmerman—I didn't even know you were married.

It was the last night in the Chemistry lab for '21 and all were busy making tests with saliva, each individual testing his own. The following will indicate the large variety of elements found:

Sockett—Fatty acid and glucose.

Smart—Nitroglycerine.

Granovsky—Paradimetryaminovazobenzine.

Miss Barber—Nicotine.

Miss Kinsman—Oil of cloves and alcohol.

Miss McAllister was having great difficulty in analyzing hers when Drewbrook ('21) came to her assistance. There was no more analyzing, she simply handed in a paper with the following on it: "100 % sugar." The question is, how did he know.

Sockett ('21)—Ah, my heart is heavy to-night.

Miss———I was wondering what it was.

Miss James ('22)—Father always said I was goot at figures.

Brawnd ('21)—Is that so? Do you think you could do anything with mine?

Dr. Mason—How is, McLure, that you havn't showed up any of your work lately?

McLure ('21)—Well, in your lecture the other day you said, "You men know your work is wrong, and yet you bring it up to us." You see, Dr., I know mine is right, so I don't bother bringing it up.

He was a lover of the bees,
 In him they had a friend.
 He used to sit upon their hives,
 But they stung him in the end.

Fun

EXAMINATIONS.

Freshman—

Exams! Exams!
 Oh, what shall I do?
 For I'm sure that I
 Shall never get through!

Sophomore—

Examinations, huh!
 Should they scare a body?
 I'm always successful
 And I NEVER study!

Junior—

Exams! Exams!
 Oh, what an awful misery;
 I wonder if 'twill be my luck
 To get into the infirmary?

Senior—

Exams! Exams!
 The plague of my life;
 The joy of the Professors,
 And the end of the strife.

C. Stewart ('19)—If we were not in a canoe I would kiss you.
 She—Take me ashore, instantly, sir.

Doctor—Well, and how do you find yourself this morning?
 Patient—Oh, I just opened my eyes and there I was.

A gorgeous bird is the pelican,
 His bill holds more than his bellican,
 They say that his beak
 Holds enough for a week,
 But I hardly see how the hellican.

Mabel—What kind of powder does your sister use on her face?

The Kid Brother—From the explosion I heard in the parlor last night it must have been gunpowder.

"I'm all broke up."

"What's the matter?"

"Alphabetical derangement."

"What on earth is that?"

"Not enough X's and V's and too many I O U's."

THE ASSASSIN GRAY.

They parted at the garden gate.

He was handsome, she—a dear.

He kissed her twice, being loath to part,

Regardless quite of danger near.

They knew not that the lilac bush

Had quite concealed their hidden foe,

Who, dagger drawn (its poisoned tip

To pierce her bosom) lay there, below.

A shadow gray in shadows dark,

Thro' casement wide he softly steals,

And hidden deep in curtain folds,

His weapon tests: the cold point feels.

The girl retired to dainty couch,

'Neath frills of white seeks "Goddess Sleep."

The night is warm, her bosom fair

Rises and falls—she is dreaming deep.

The "Assassin Gray" has stolen near,

His dagger glistens, it plunges deep

In the bosom fair of the sleeping maid,

And screaming, she starts from her sleep.

While "Assassin Gray," with voice shrill and long,

Hums his maddening victor song.

The maid grasps high and frantically low,

But who can capture a grey mosquito?

DISAPPOINTED.

Bacon—What did you think of the lady's first song?

Egbert—I was disappointed.

Bacon—How so?

Egbert—She sang "I Am Going Far Away, Far Away to Leave You Now," and she didn't go.

WHAT HE DID.

A good old Quaker was milking a cow whose lively disposition had often taxed his patience severely. The pail was nearly full of foaming milk, when, in some manner, the cow managed to overturn it. The old man in righteous indignation snatched up a near-by club to strike the exasperating animal when he remembered the precept of his religion.

He dropped the stick, and in a voice trembling with anger, said: "I may not beat thee, neither may I kick thee—but I will twist thy durn tail!"

THOUGHT AND ACTION.

Action denied turns noble thoughts to dust—

As action void of thought depraves mankind:

How happy they whose thought makes action just,

And all whose action purifies the mind:

Them neither thought nor action renders blind

To civic duty or some homely trust,

And, whether to the world or books inclined,

Their swords and souls alike are free from rust.

Not wholly for themselves, but for the poor

Is thought or action and the hungry herd

Such kings of men and thoughtful warriors live:

They build the laws, or, breaking them, secure

A power bequeathed in every potent word

To their great children: in all ways they give.

—Morley Roberts.

THE HYA YAKA

DO IT TO-DAY.

If you have a task to do,
That seems as if you'd ne'er get through,
Believe me, that the wisest way
Is to begin the task to-day.

If you have a word unsaid,
Spoken, would make one comforted,
Go find that one and say it straight—
It is a word that cannot wait.

If you can do a kindly deed,
Can heal the sick or hungry feed,
Do not leave the deed undone
Until you see to-morrow's sun.

But angry word, and selfish way,
Are best put off another day,
And then another day again—
Postpone what gives another pain.

So keep the hasty speeches down,
And make a smile chase back the frown;
In silence let ill-temper lie,
For an eternal by and by. —August Erbeck.

HOW TO LOSE YOUR FRIENDS.

Lend them money.
Tell them their faults.
Show them they're in the wrong.
Beat them in an argument.
Think of something before they do.
Do something they should have done.
Do something better than they do.
Know more than they do.
Become more popular than they are.
Ask them for a favor.
Show a special interest in their friends.
Return to them good for evil.

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